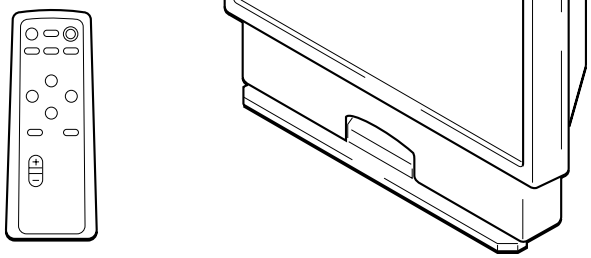
Self Diagnosis Supported model

SERVICE MANUAL

LM-1 CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS No.
KL-X9200M	RM-902	AEP	SCC-P04A-A
KL-X9200M	RM-902	E	SCC-P04A-A

MODEL	COMMANDER	DEST.	CHASSIS No.
KL-X9200U	RM-902	US	SCC-P03A-A
KL-X9200U	RM-902	Canadian	SCC-P03A-A



MICROFILM

* Please file according to model size...

LCD PROJECTION DATA MONITOR

SONY®

Specifications

Acceptable signal (Appendix)
NTSC3.58/NTSC4.43/PAL/PAL M/SECAM video signal, switched automatically
RGB signal

Projection system 3 LCD panels, 1 lens projection system

LCD panel 1.3-inch TFT LCD panel
Approx. 2.36 million dots (786,432 pixels)
1,024 × 768 dots × 3 panels

Lamp XL-100M: HID lamp, 100 W

Lens Large diameter hybrid lens F2.4

Screen size (measured diagonally)
50 inches

Viewable image size
Approx. 50 inches (diagonally)
Approx. 1,016 × 762 mm (w/h)

Frequency range Horizontal: 24.8 to 85 kHz
Vertical: 50 to 85 Hz

Inputs/outputs

VIDEO 1, 2 and 3 IN S VIDEO (4-pin mini-DIN):
Y: 1 Vp-p, 75 ohms unbalanced, sync negative
C: 0.286 Vp-p (NTSC burst signal), 75 ohms
0.3 Vp-p (PAL burst signal), 75 ohms
VIDEO (phono jacks):
1 Vp-p, 75 ohms unbalanced, sync negative
AUDIO (phono jacks):
2 channels, 500 mVrms
Impedance: more than 47 kohms

COMPONENT IN VIDEO (phono jacks):
Y: 1 Vp-p, 75 ohms, sync negative
P_B/C_B/B-Y: 0.7 Vp-p, 75 ohms
P_R/C_R/R-Y: 0.7 Vp-p, 75 ohms
AUDIO (phono jacks): 500 mVrms (100% modulation)
Impedance: 47 kilohms

VIDEO OUT S VIDEO (4-pin mini-DIN):
Y: 1 Vp-p, 75 ohms unbalanced, sync negative
C: 0.286 Vp-p (NTSC burst signal), 75 ohms
0.3 Vp-p (PAL burst signal), 75 ohms
VIDEO (phono jack):
1 Vp-p, 75 ohms unbalanced, sync negative
AUDIO (phono jacks):
2 channels, 500 mVrms
Impedance: less than 1 kohms

RGB 1, 2 IN D-sub 15-pin, female
VIDEO: R, G, B: 0.7 Vp-p, positive, 75 ohms
SYNC: Sync on Green: 0.3 Vp-p
HD: Composite sync: TTL, high impedance, sync positive/negative
Horizontal sync: TTL, high impedance, sync positive/negative
VD: Vertical sync: TTL, high impedance, sync positive/negative
AUDIO (phono jacks)
2 channels, 500 mVrms
Impedance: more than 47 kohms

RGB OUT D-sub 15-pin, female
VIDEO: R, G, B: 0.7 Vp-p, positive, 75 ohms
SYNC: Sync on Green: 0.3 Vp-p
HD: Composite sync: TTL, high impedance, sync positive/negative
Horizontal sync: TTL, high impedance, sync positive/negative
VD: Vertical sync: TTL, high impedance, sync positive/negative
AUDIO (phono jacks)
2 channels, 500 mVrms
Impedance: less than 1 kohm

Speaker output Front: 5 W × 2 (L/R)
Woofer: 15 W

Power requirement
100 to 240 V AC, 50/60 Hz

Power consumption
220 W (MAX)
Standby mode: 4 W

Dimensions 1,125 × 1,087 × 610 mm (44 3/8 × 42 7/8 × 24 1/8 inches) (w/h/d)

Mass Approx. 43 kg (106 lbs 8 oz)

Supplied accessories
Remote control RM-902 (1)
Size AA (R6) batteries (2)
AC power cord (1)
RGB signal cable (D-sub 15-pin ↔ D-sub 15-pin) (1)
HD15-HD15 (male, without the No. 9 pin) adaptor (1)
Macintosh adaptor (1)
Windows Monitor Information Disk/Utility Disk (1)
Macintosh Utility Disk (1)
Brackets (2)
Screws for brackets (2)
Hexagon head wrench (1)

Optional accessories
Lamp unit: XL-100 (for Japan), XL-100U (only for the U.S.), XL-100M (for countries other than Japan or the U.S.)
Monitor stand: SU-90T (only for Japan), SU-90U (only for the U.S.)

Design and specifications are subject to change without notice.

SAFETY CHECK-OUT
(US Model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any). Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC Leakage. Check leakage as described below.

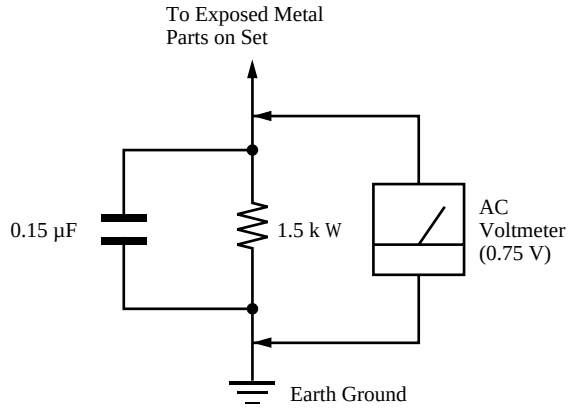


Fig. A. Using an AC voltmeter to check AC leakage.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOMs that are suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60 – 100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

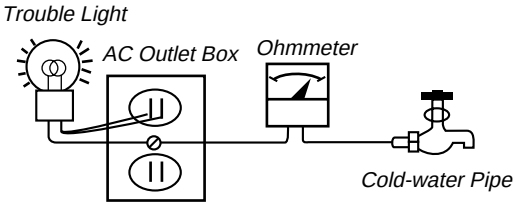


Fig. B. Checking for earth ground.

TABLE OF CONTENTS

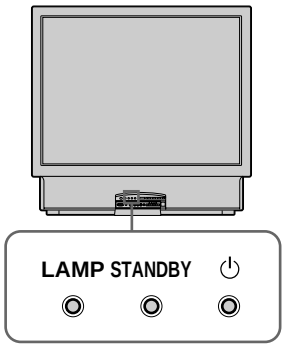
SAFETY-RELATED COMPONENT WARNING!!
COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!
LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE ⚠ SONT CRITIQUES POUR LA SÉCURITÉ. NE LES REMPLACER QUE PAR UNE PIÈCE PORTANT LE NUMÉRO SPECIFIÉ. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNE-MENT EST SUSPECTÉ.

SECTION 1
SELF DIAGNOSIS FUNCTION

1-1. AN OUTLINE OF SELF DIAGNOSIS FUNCTION

- This monitor is loaded DIAGNOSIS FUNCTION.
- STANDBY/LAMP lamp flashes when abnormal conditions happen. You can surmise what is wrong by number of times of flashing.
- Flashing STANDBY/LAMP lamp is described in Operating Instruction Manual, and also informed to customers .
- Sometimes the condition never be shown because of machine trouble. In such a case, the machine memorizes that troubles have broken out. So you can check it on the screen with operating remote commander and surmise what is wrong.



1-2. DIAGNOSIS ITEMS AND SURMISE

- STANDBY/LAMP lamp flashes only for one of the items listed below at once. When several troubles break out continuously, the lamp indicates the first one, when several troubles break out at once, the lamp indicates the item with smaller number of times of flashing.
- Results of all items listed below are indicated on the screen, and indicating "0" means no troubles.

INDICATION LAMP			◎: ON ☼: FLASH OFF	
LAMP (ORANGE)	STANDBY (ORANGE)	⏻ (GREEN)		
OFF	OFF	◎	POWER ON	The power of the monitor is on.
OFF	◎	OFF	STANDBY	The monitor is in standby mode. The monitor is turned on by pressing 1/⏻ on the remote control.
OFF	◎	◎	OPERATING AUTO SHUT OFF	The AUTO SHUT OFF function is working. The monitor has been turned off when the time you specify has passed after the input from the computer is cut off.
OFF	OFF	☼	WAITING FOR THE LAMP FOR THE LIGHT SOURCE	The lamp is preparing to turn on. Picture and sound will appear momentarily.
INDICATIONS FOR ABNORMAL CONDITIONS				
☼	☼	OFF	INCOMPLETE INSTALLATION OF THE LAMP COVER OR AIR FILTER .	The air filter or the lamp cover is not attached securely. When you secure the cover, the STANDBY indicator lights up and the LAMP indicator turns off.
☼	OFF	OFF	THE LAMP FOR THE LIGHT SOURCE HAS BURNT OUT.	The lamp for the light source has burnt out. Replace it with a new one.
☼	☼	☼	FAN IS WORKING ABNORMALLY.	One of the fans, behind the optical unit, above the lamp for the light source or behind, is not working. Check the connector, power and fans.
☼	OFF	☼	NO POWER SUPPLY FROM POWER SOURCE TO THE LAMP FOR THE LIGHT SOURCE	No power is supplied from power source to power supply circuit of the lamp for the light source. Check the power supply from power source, control signal from system control and power supply circuit.
OFF	☼	☼	NO POWER SUPPLY FROM POWER SOURCE TO THE SWITCH.	6V DC is not supplied from power source (G board). Control signal from system control may not be sent normally, or may be power supply circuit is something wrong. Also it is possible that power from switching power source short circuits GND.

1-3. INDICATION OF SELF DIAGNOSIS

(How to get the indication on the screen)

In POWER ON/MENU OFF status, press buttons of the remote commander quickly in order as follows.
[ENTER] → [ENTER] → [➡] → [ENTER]
↑
Note) this is different from [⬅] in service mode.

DISPLAY OF SELF DIAGNOSIS

SELF CHECK	
LAMP	: 0
LAMP COVER	: 0
FILTER	: 0
LAMP DRIVER	: 0
FAN	: 0
OCP	: 0

0: No abnormal conditions detected (normal)
1: Abnormal conditions detected (troubles break out)

LAMP : Lamp has burnt out.
LAMP COVER : The lamp cover is off.
FILTER : The filter is off.
LAMP DRIVER : Something is wrong with power source for the lamp.
FAN : The fan is stopped.
OCP : No power is supplied to power source for the switch.

1-4. HOW TO FINISH THE SELF DIAGNOSIS

- Indication of the result of self diagnosis can not be cleared up automatically. After repair has been done, make sure to change the indication of result back to “0”.

[How to clear up the indication of result]

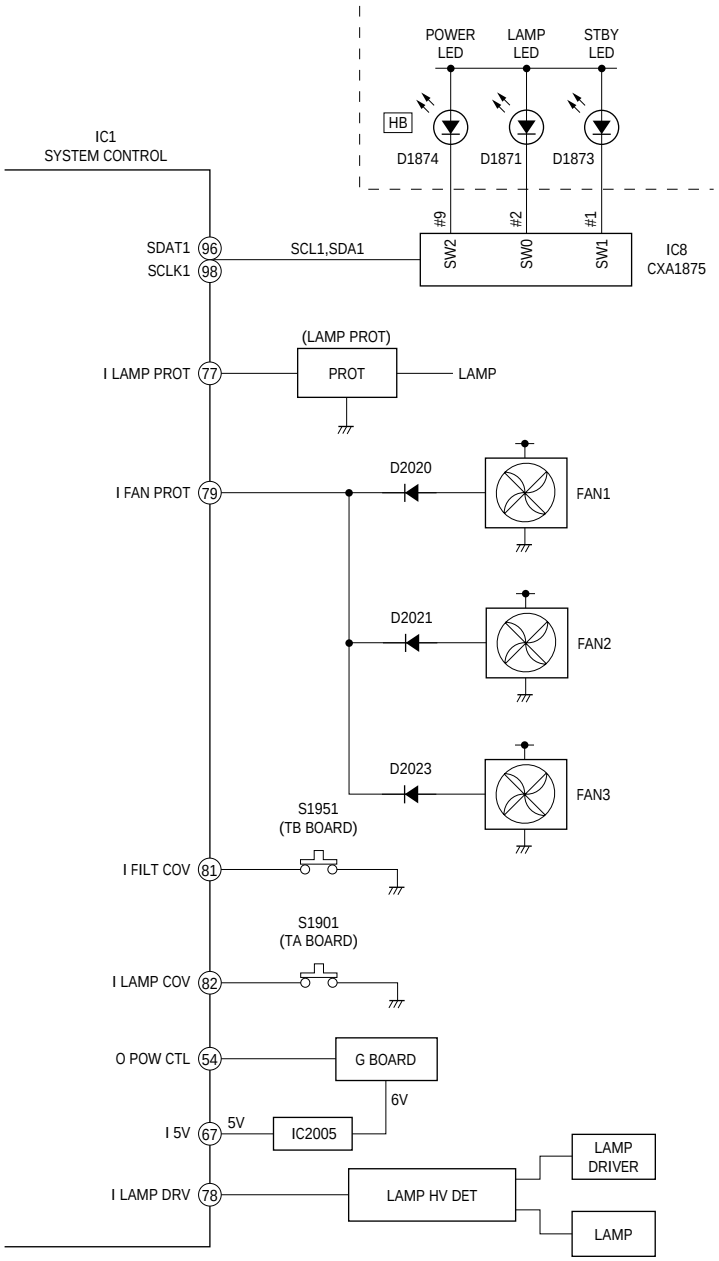
- When the indication of self diagnosis is on the screen, press buttons of the remote commander in order as follows.
  [MUTING] → [⬆] → [ENTER]
- The indication of result turns to “0”.

Note) If service mode is performed, all the data is renewed.

[How to finish self diagnosis]

- Turn off the power with the remote commander or power switch on the set .

1-5. SELF DIAGNOSIS CIRCUIT (A BOARD)



1. Incomplete installation of the air filter or lamp cover
When either S1951 (filter) or S1901 (lamp cover) is opened, the voltage of pin ㉛ and pin ㉜ on IC1 becomes 5V. The circuit detects that and changes the voltage of pin ㊹ on IC1 to 0V.

2. Poor ventilation (standstill of the fan)
When one of the fan stops or is out of order, the voltage of pin ㊴ on IC1 becomes 5V. The circuit detects that and changes the voltage of pin ㊹ on IC1 to 0V.

3. Burnt out of the lamp
When the lamp has burnt out, the voltage of pin ㊲ on IC1 becomes 5V. The circuit detects that and changes the voltage of pin ㊹ on IC1 to 0V.

4. Abnormal condition of the power source for the lamp
When the lamp is turning on with an abnormal condition of the power source for the lamp , the voltage of pin ㊲ on IC1 becomes 5V and the voltage of pin ㊳ on IC1 stays 0V. The circuit detects that and changes the voltage of pin ㊹ on IC1 to 0V.

5. No power supply from the power source to the switch
When no power is supplied from G board, the voltage of pin ㊼ on IC1 becomes 0V . The circuit detects that and changes the voltage of pin ㊹ on IC1 to 0V.

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

SECTION 2
GENERAL

Precautions

This projection monitor operates on extremely high voltage. To prevent fire or electric shock, please follow the precautions below.

On safety

- Check that the operating voltage of your unit is identical with the voltage of your local power supply.
- One blade of the plug is wider than the other for safety purposes and will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- Should any liquid or solid object fall into the cabinet, unplug the monitor and have it checked by qualified personnel before operating it further.
- Unplug the monitor from the wall outlet if you are not going to use it for several days or more. To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- The fans inside the monitor continue working for a while even after the monitor has been turned off. Do not unplug the monitor from the AC outlet while the fans are working.

On installation

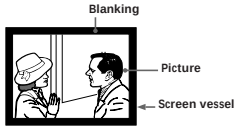
- To prevent internal heat build-up, do not block the ventilation openings.
- Do not install the monitor in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.

On screen

The screen surface is easily scratched. Do not rub, touch or tap it with sharp or abrasive objects.
Be especially careful when transporting the monitor.

On blanking around the pciture

The monitor displays black masks between the picture and the screen vessel because the monitor under-scans to obtain the necessary space on the screen to display the picture. This is called blanking. Note that the black masks on each vessel are not uniform.
To adjust the size and position of the picture, see pages **16** and **17**.



On moisture condensation

If the projection monitor is transported directly from a cold to a warm location, or if the room temperature has changed suddenly, the picture may be blurred or show poor color. This is because moisture has condensed on the lenses inside. If this happens, leave the power on and let the moisture evaporate before using the monitor.

On cleaning

- Clean the cabinet of the monitor with a dry soft cloth. Stubborn stains may be removed with a cloth slightly dampened with solution of mild soap and water, then wipe it with a dry soft cloth.
- Do not use any type of solvent such as alcohol, benzine, thinner or insecticide. Such solvent may damage the finish of the monitor or erase the indications on the panel.
- To remove dust from the screen, wipe it gently with a dry soft cloth.
- Stubborn stains on the screen may be removed with a soft cloth slightly dampened with solution of mild soap and water.
- If the picture becomes dark after using the monitor for a long period of time, it may be necessary to clean the inside of the monitor. Consult qualified service personnel.

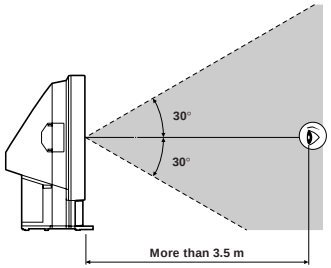
Getting Started

Step 1: Installing the projection monitor

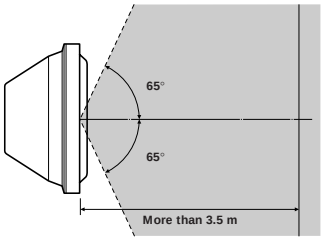
Optimum viewing area

For the best picture quality, install the monitor within the areas shown below.

Vertical viewing area (side view)

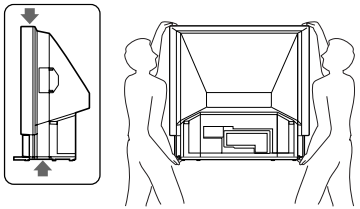


Horizontal viewing area (top view)



Carrying your monitor

Be sure to grasp only the areas indicated by the arrows when carrying the monitor, and to use more than two people.



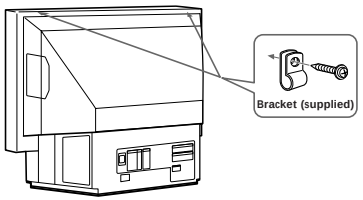
GB

Stabilizing the monitor

Using the brackets

After setting up, secure the monitor to a wall, etc. with the supplied brackets.

1 Mount the two supplied brackets with the screws to the upper rear sides of the monitor.



2 Pass a strong cord or a chain through each bracket mounted in step 1, and then secure it to a wall or a pillar, etc.

For customers in Japan and the U.S. only

Using the support belts (not supplied)

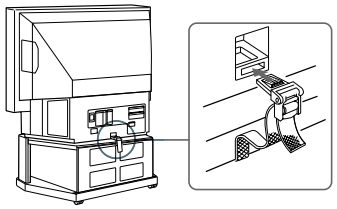
You can also use the BLT-R10 support belt for the monitor stand (not supplied) to secure the monitor. We recommend you use the SU-90 monitor stand with which the support belts are supplied.

About the SU-90 monitor stand (not supplied)

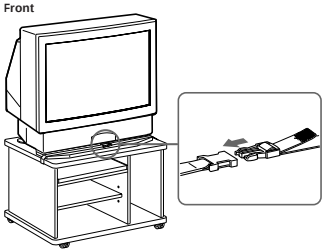
The dimensions of the stand are 1,050 x 700 x 630 mm (41 3/8 x 27 5/8 x 24 7/8 inches) (width/height/depth). Before you purchase this stand, refer to the dimensions above and check the size of the area where the stand will be installed.

Customers in Japan should use the stand SU-90T.
Customers in the U.S. should use the stand SU-90U.

Rear



Front



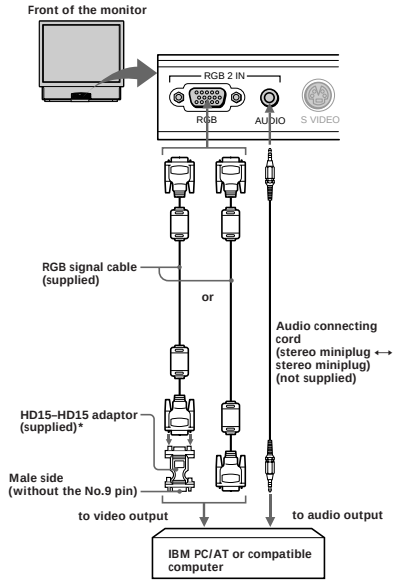
Step 2: Hookup

Before making the connection, turn off the power and disconnect the AC power cords of the monitor and the equipment to be connected. Refer to the instruction manual of the equipment you connect.

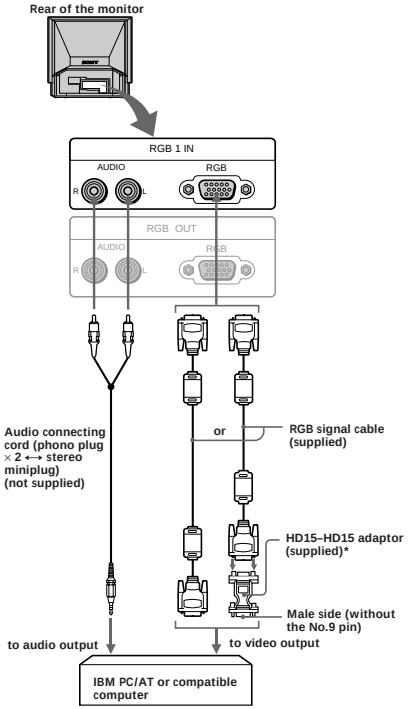
Connecting to an IBM PC/AT or compatible computer

Connect the RGB 2 IN connector on the front or the RGB 1 IN connector at the rear of the monitor to the video output of the computer using the supplied RGB signal cable (D-sub 15 pin ⟷ D-sub 15 pin). Use an audio connecting cord (not supplied) for the audio connections.

Using the front RGB 2 IN connector



Using the rear RGB 1 IN connector



* The HD15–HD15 adaptor (supplied) may be needed for some models. The male side (without the No. 9 pin) of the adaptor should be connected to the computer.

For customers using the supplied HD15–HD15 adaptor

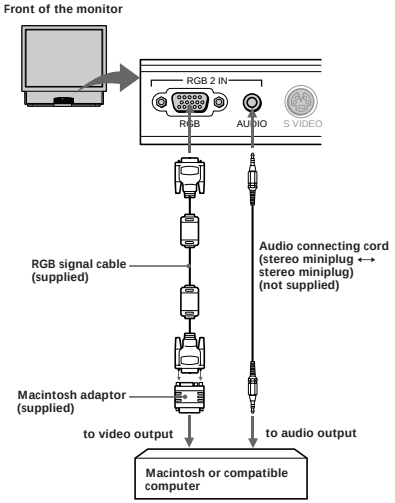
This monitor uses a No. 9 pin in the video signal connector for DDC1 and DDC2B compatibility. Some PC systems which are not compatible with either DDC1 or DDC2B may not accept the No. 9 pin. If you are not sure whether your PC system accepts the No. 9 pin or not, use the HD15 (Female) – HD15 (Male without the No. 9 pin) adapter (supplied).

GB

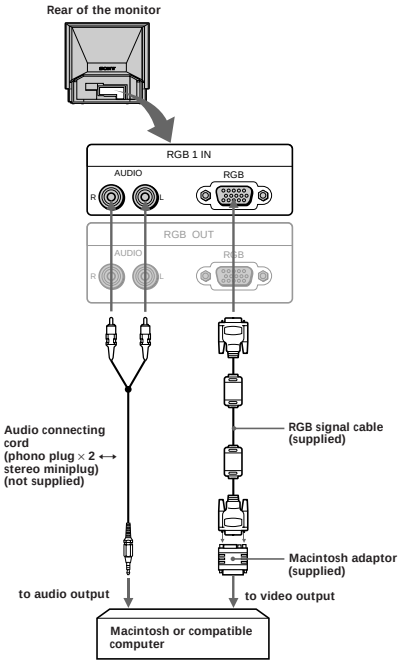
Connecting to a Macintosh or compatible computer

Connect the RGB 2 IN connector on the front or the RGB 1 IN connector at the rear of the monitor to the video output of the computer using the supplied RGB signal cable (D-sub 15 pin ⟷ D-sub 15 pin) and the supplied Macintosh adaptor. Use an audio connecting cord (not supplied) for the audio connections.

Using the front RGB 2 IN connector



Using the rear RGB 1 IN connector



About the supplied Macintosh adaptor

The supplied Macintosh adaptor is compatible with Macintosh LC, Performa, Quadra and Power Macintosh series computers. Macintosh II series and some version of PowerBook models may need an another adaptor with micro switches (not supplied).

Preset and user modes

The monitor automatically detects input signals with a horizontal scanning frequency between 24.8 and 85.0 kHz and a vertical scanning frequency between 50 and 85 Hz.
The monitor is capable of a display resolution of up to 1,024 × 768 dots. When a signal with a higher resolution is input, it will be processed to display the image at 1,024 × 768 dots.

Preset modes

The monitor has the factory preset modes for the most popular industry standards as shown below.

No.	Resolution (dots × lines)	fH (kHz)	fV (Hz)	Graphics mode	Sync
1	640 × 350*	31.469	70.086	VGA mode 1	H-pos V-neg
2	640 × 350*	37.861	85.080	VGA VESA 85 Hz	H-pos V-neg
3	640 × 400*	24.823	56.416	PC-9801 Normal	H-neg V-neg
4	640 × 480	31.469	59.940	VGA mode 3	H-neg V-neg
5	640 × 480	35.000	66.667	Macintosh 13"	H-neg V-neg
6	640 × 480	37.861	72.809	VGA VESA 72 Hz	H-neg V-neg
7	640 × 480	37.500	75.000	VGA VESA 75 Hz	H-neg V-neg
8	640 × 480	43.269	85.008	VGA VESA 85 Hz	H-neg V-neg
9	720 × 400	31.469	70.087	VGA mode 2	H-neg V-pos
10	720 × 400	37.927	85.039	VGA VESA 85 Hz	H-neg V-pos
11	800 × 600	35.156	56.250	SVGA VESA 56 Hz	H-pos V-pos
12	800 × 600	37.879	60.317	SVGA VESA 60 Hz	H-pos V-pos
13	800 × 600	48.077	72.188	SVGA VESA 72 Hz	H-pos V-pos
14	800 × 600	46.875	75.000	SVGA VESA 75 Hz	H-pos V-pos
15	800 × 600	53.674	85.061	SVGA VESA 85 Hz	H-pos V-pos
16	832 × 624	49.727	74.553	Macintosh 16"	H-neg V-neg
17	1024 × 768	35.522	43.479	XGA VESA 43 Hz	H-pos V-pos
18	1024 × 768	48.363	60.004	XGA VESA 60 Hz	H-neg V-neg
19	1024 × 768	56.476	70.069	XGA VESA 70 Hz	H-neg V-neg
20	1024 × 768	60.023	75.029	XGA VESA 75 Hz	H-pos V-pos
21	1024 × 768	60.241	74.927	Macintosh 19"	H-neg V-neg
22	1024 × 768	68.677	84.997	XGA VESA 85 Hz	H-pos V-pos
23	1152 × 864	67.500	75.000	SXGA VESA 75 Hz	H-pos V-pos
24	1152 × 870	68.681	75.060	Macintosh 21"	H-neg V-neg
25	1280 × 960	60.000	60.000	SXGA VESA 60 Hz	H-pos V-pos
26	1280 ×1024	46.433	43.436	SXGA VESA 43 Hz	H-pos V-pos
27	1280 ×1024	63.981	60.020	SXGA VESA 60 Hz	H-pos V-pos
28	1280 ×1024	79.976	75.025	SXGA VESA 75 Hz	H-pos V-pos

* The monitor projects the picture in 4:3 aspect ratio.

User modes

When using a video mode that is not one of the preset modes, some fine tuning may be required to optimize the display to your preference. Simply adjust the monitor according to the adjustments instructions on pages **16** through **18**. The adjustments will be stored automatically and recalled whenever that mode is used.

Recommended horizontal timing conditions

Horizontal sync width should be more than 1.0 µsec.
Horizontal blanking width should be more than 3.6 µsec.

If the frequency range of an input signal is not acceptable for the monitor

"OUT OF SCAN RANGE" appears on the screen.
The monitor does not accept an interlace mode signal that is not a preset mode signal. Furthermore, if you input a signal other than a preset mode signal with a dot clock of more than 140 MHz, the picture may be distorted.

Plug & Play

This monitor complies with the DDC™1 and DDC2B which are the Display Data Channel (DDC) standards of VESA.
When a DDC1 host system is connected, the monitor synchronizes with the V. CLK in accordance with the VESA standards and outputs the EDID (Extended Display Identification Data) to the data line.
When a DDC2B host system is connected, the monitor automatically switches to each communication.

(continued)

For customers using Windows 95/98

To maximize the potential of your monitor, install the new model information file from the supplied Windows Monitor Information Disk onto your computer.
This monitor complies with the "VESA DDC" Plug & Play standard. If your computer/graphic board complies with DDC, select "Plug & Play Monitor (VESA DDC)" or this monitor's model name as the monitor type in the "Control Panel" of Windows 95/98. If your computer/graphic board has difficulty communicating with this monitor, load the Windows Monitor Information Disk and select this monitor's model name as the monitor type.

For customers using Windows NT4.0

Monitor setup in Windows NT4.0 is different from Windows 95/98 and does not involve the selection of monitor type. Refer to the Windows NT4.0 instruction manual for further details on adjusting the resolution, refresh rate, and number of colors.

Adjusting the monitor's resolution and color number

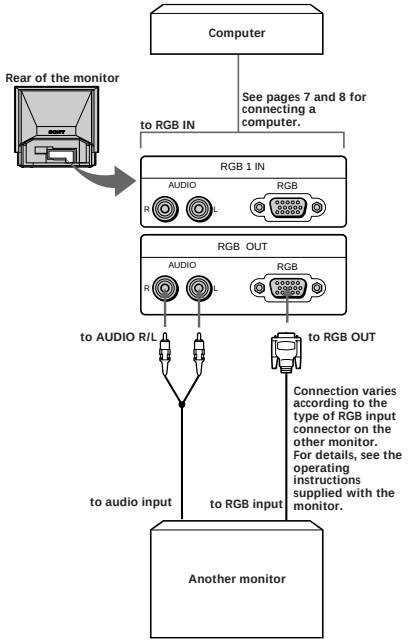
Adjust the monitor's resolution and color number by referring to your computer's instruction manual. The color number may vary according to your computer or video board. The color palette setting and the actual number of colors are as follows:

- High Color (16 bit) → 65,536 colors
- True Color (24 bit) → about 16.77 million colors

In true color mode (24 bit), speed may be slower.

Connecting another monitor

This monitor outputs the signal input from the RGB 1 IN or RGB 2 IN connector through the RGB OUT connector, and can display the picture on another monitor.
See pages **7** and **8** for connecting a computer.

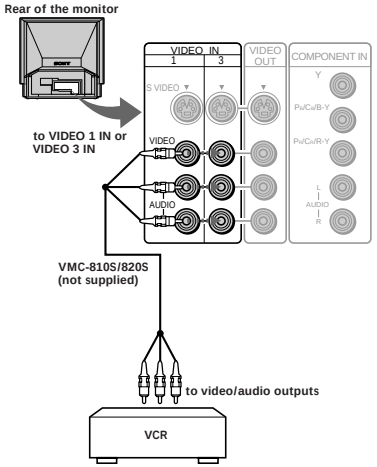


Note

When connecting another monitor, the picture's centering may change. If this happens, adjust the centering of the second monitor.

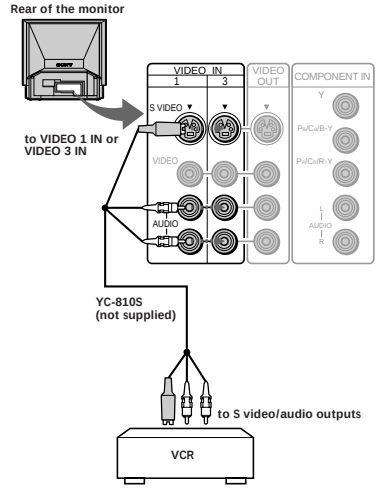
Connecting to video equipment

To a VCR not equipped with an S video connector



You can also use the VIDEO 2 IN jacks on the front of the monitor for the video/audio connections.

To an S video equipped VCR



Notes

- You can also use the S VIDEO connector on the VIDEO 2 IN panel on the front of the monitor.
- When you connect the cable to both the VIDEO jack and the S VIDEO connector, the picture from the S VIDEO connector is displayed on the monitor screen.

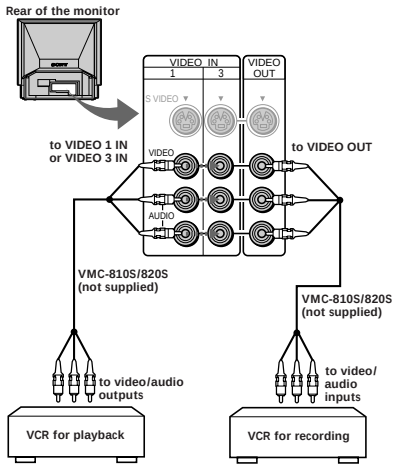
Connecting two VCRs for editing

The monitor outputs the signal input from the VIDEO 1 IN, VIDEO 2 IN or VIDEO 3 IN jacks through the VIDEO OUT jacks. With two VCRs connected to the VIDEO IN and VIDEO OUT jacks, you can edit a tape.

Notes

- Signals input from the RGB 1 IN, RGB 2 IN and COMPONENT IN connectors are not output through the VIDEO OUT jacks.
- Do not connect both the VIDEO IN and VIDEO OUT jacks on this monitor simultaneously to the video/audio output and input jacks on a single VCR.
- If no signal is input to the S VIDEO connector on any of the VIDEO 1, 2 and 3 IN panels, the S VIDEO connector on the VIDEO OUT panel does not output a signal.

GB



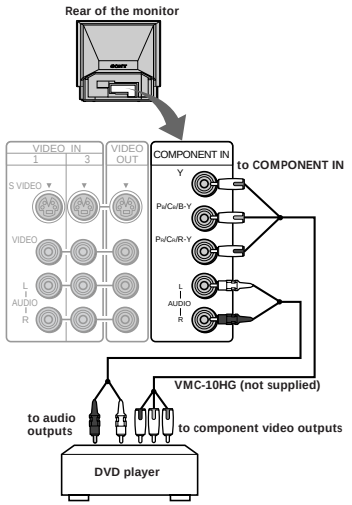
Connecting a DVD Player

If your DVD player has component video output connectors*, connect them to the COMPONENT IN (Y, P_B/C_B/B-Y and P_R/C_R/R-Y) connectors at the rear of the monitor for higher quality picture. For details, see the instructions supplied with the DVD player.

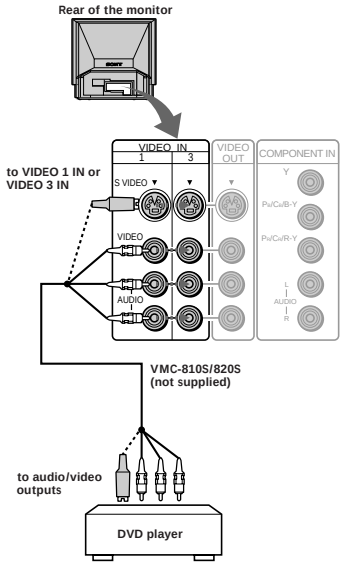
* Some DVD player terminals may be labeled or colored differently. If so, connect them as follows:

Connect (on the monitor)	To (on a DVD player)
Y (green)	Y
P_B/C_B/B-Y (blue)	P_B, C_B, C_b or B-Y
P_R/C_R/R-Y (red)	P_R, C_R, C_r or R-Y

Connecting a DVD player with component video output connectors



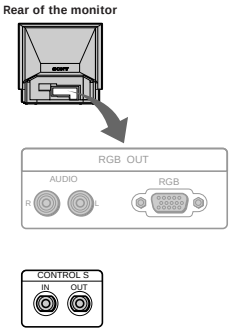
Connecting a DVD player without component video output connectors



Note

If you have an S video equipped DVD player, use the S video connecting cord (not supplied) instead of the yellow video connecting cord to obtain a higher quality picture.

Using the CONTROL S jacks



To use the CONTROL S IN jack

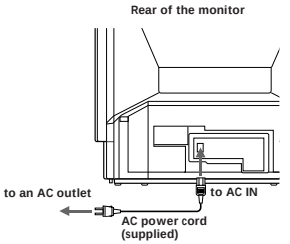
You can control this monitor from other equipment by connecting the CONTROL S IN jack to the CONTROL S output jack on other equipment. In this case, the remote control detector on this monitor does not function.

To use the CONTROL S OUT jack

You can operate this monitor with the remote control supplied with other equipment by connecting the CONTROL S OUT jack to the CONTROL S input jack on other equipment.

Connecting the AC power cord

Connect one end of the supplied power cord to the monitor's AC IN socket and the other end to a wall AC outlet.

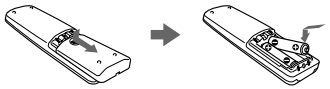


GB

Step 3: Setting up the remote control

Inserting batteries

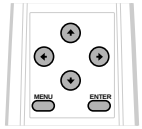
Insert two AA (R6) size batteries (supplied) by matching the + and – on the battery to the diagram inside the battery compartment.



Notes

- If the remote control does not operate properly, the batteries may be worn out. When replacing batteries, replace both of them with new ones.
- Do not mix old batteries with new ones or mix different types of batteries together.
- If the electrolyte inside the battery should leak, wipe the contaminated area of the battery compartment with a cloth and replace the old batteries with new ones. To prevent the electrolyte from leaking, remove the batteries when you don't plan to use the remote control for a long period of time.
- Do not handle the remote control roughly. Do not drop it, step on it, or let it get wet.
- Do not place the remote control in direct sunlight, near a heater, or where the humidity is high.

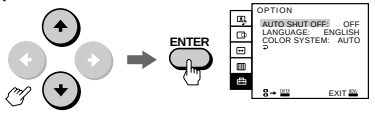
Changing the menu language



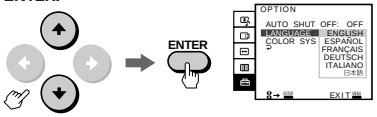
If you prefer Spanish, French, German, Italian or Japanese to English, you can change the menu language.

1 **Press MENU.**

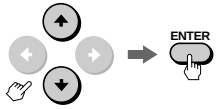
2 **Press ↓ or ↑ to select " (OPTION)," and press ENTER.**



3 **Press ↓ or ↑ to select LANGUAGE, and press ENTER.**



4 **Press ↓ or ↑ to select your favorite language, ENGLISH, FRANÇAIS (French), DEUTSCH (German), ESPAÑOL (Spanish), ITALIANO (Italian) or 日本語 (Japanese), and press ENTER.**

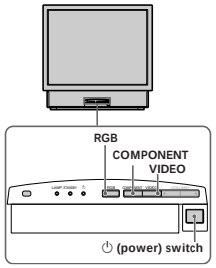


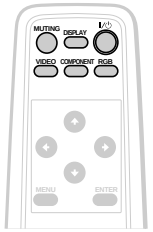
5 **Press MENU to return to the original screen.**

Notes

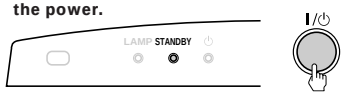
- You can operate the menu using the ↑/↓/←/→ and the ENTER buttons inside the drop-down panel on the front of the monitor.
- You cannot use the AUTO SHUT OFF function for the input from VIDEO 1/2/3 IN and COMPONENT IN. (See page **24**.)
- To get back to the previous menu, select ↩ with ↓ or ↑ and press ENTER.

Projecting the picture





1 **If the STANDBY indicator on the front of the monitor is lit in orange, press I/⏻ (power) on the remote control to turn on the power.**



Press the ⏻ (power) switch on the monitor if the STANDBY indicator is not lit.

The green ⏻ (power) indicator flashes, then lights up.

2 **Turn on the power of the connected equipment.**

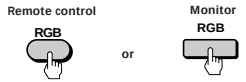
3 **Press RGB, VIDEO or COMPONENT on the remote control or the monitor to select the input you want to watch.**

The selected input indication is displayed on the screen.

To watch a computer picture input from the RGB 1/2 IN connector

Each time you press RGB, the display changes as follows:

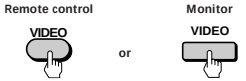
RGB 1 ⟷ RGB 2



To watch a video picture input from the VIDEO 1/2/3 IN jacks

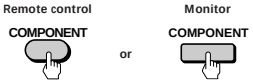
Each time your press VIDEO, the display changes as follows:

VIDEO 1 → VIDEO 2 → VIDEO 3



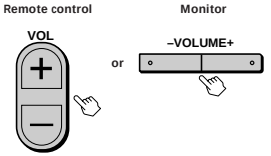
To watch a picture of a DVD player input from the COMPONENT IN jacks

Press COMPONENT.



The input signal indication will automatically disappear.

4 **Press VOL +/– (VOLUME +/–) to adjust the volume.**



GB

(continued)

To turn off the monitor

Press I/⏻ on the remote control. The monitor enters standby mode and the STANDBY indicator lights up. To turn off the main power, press ⏻ switch on the monitor.

Note

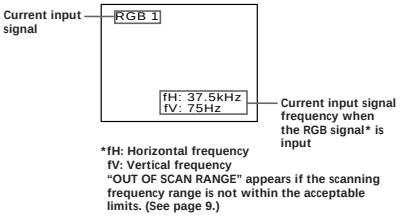
To protect the lamp, the picture and sound will not turn on immediately if you try to turn on the power more than 5 seconds after the power has been turned off. If you turn the monitor back on within about 5 seconds after power-off, the picture and sound will reappear immediately.

Muting the sound

Press MUTING on the remote control.
"MUTING" appears on the screen.
To restore the sound, press MUTING again, or press VOL+.

Displaying on-screen information

Press DISPLAY on the remote control to display the following information on the screen.

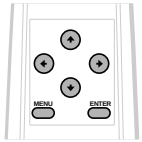


To make the on-screen information disappear, press DISPLAY again.

Adjusting the computer picture

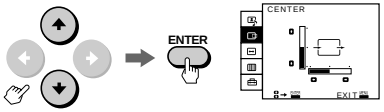
Adjusting the position (CENTER)

After projecting the picture from a computer, you may need to adjust the position of the picture to fit the monitor screen. You can also move the picture as you like. The setting is only for the input signal displayed on the screen.



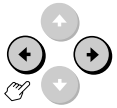
1 Press MENU.

2 Press ↓ or ↑ to select "⊡ (CENTER)," and press ENTER.



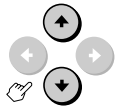
3 Press ↓, ↑, ← or → to adjust the position.

For horizontal adjustment press ← or →.



→: to move the picture right
←: to move the picture left

For vertical adjustment press ↓ or ↑.



↑: to move the picture up
↓: to move the picture down

The CENTER adjustment screen automatically disappears after about 80 seconds if you do not press any button. You can also erase the CENTER adjustment screen by pressing MENU.

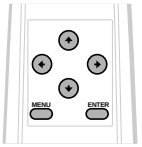
To reset to the factory preset setting

Press RESET on the monitor while the CENTER adjustment screen is displayed. For details, see page **26**.

Notes

- You cannot use this function for the input from VIDEO 1/2/3 IN and COMPONENT IN.
- You can operate the menu using the ⇧/⇩/⇦/⇨ and the ENTER buttons inside the drop-down panel on the front of the monitor.

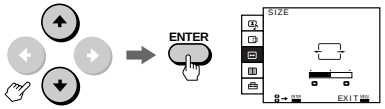
Adjusting the picture size (SIZE)



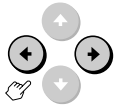
After projecting the picture from a computer, you may need to adjust the picture size to fit the monitor screen. The setting is only for the input signal displayed on the screen.

1 Press MENU.

2 Press ↓ or ↑ to select "↔ (SIZE)," and press ENTER.



3 Press ← or → to adjust the picture size.



→: to increase horizontal size
←: to decrease horizontal size

The SIZE adjustment screen automatically disappears after about 80 seconds if you do not press any button. You can also erase the SIZE adjustment screen by pressing MENU again.

To reset to the factory preset setting

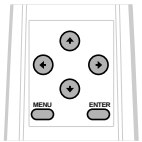
Press RESET on the monitor while the SIZE adjustment screen is displayed. For details, see page **26**.

Notes

- If a signal with resolution of 640 × 350, 640 × 400 or 720 × 400, or Wide Resolution signal is input, the picture will be enlarged to fill the screen but will appear lengthened vertically.
- You cannot use this function for the input from VIDEO 1/2/3 IN and COMPONENT IN.
- You can operate the menu using the ⇧/⇩/⇦/⇨ and the ENTER buttons inside the drop-down panel on the front of the monitor.

GB

Eliminating flickering or blurring (DOT ADJUST)

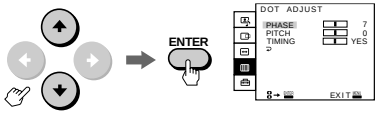


If a part of the screen is flickering or blurring, adjust PITCH and PHASE in the DOT ADJUST menu.

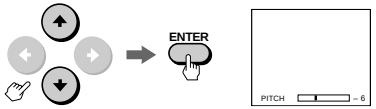
1 Load the Utility Disk (supplied) into your computer.

2 Press MENU.

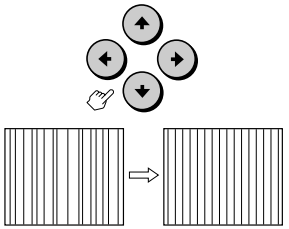
3 Press ↓ or ↑ to select "▥ (DOT ADJUST)," and press ENTER.



4 Press ↓ or ↑ to select PITCH, and press ENTER.
The PITCH adjustment screen appears.

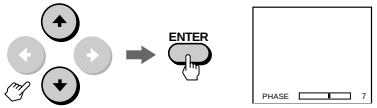


5 Press ↓, ↑, ← or → until the lines on the screen become uniform.
Adjust the vertical lines on the screen so that they are evenly spaced.

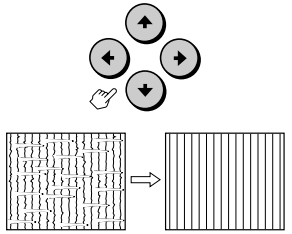


6 Press ENTER.
The DOT ADJUST menu appears.
If notches in the vertical lines or horizontal noise is observed over the entire screen, adjust PHASE in the next step.

7 Press ↓ or ↑ to select PHASE, and press ENTER.
The PHASE adjustment screen appears.



8 Press ↓, ↑, ← or → until the screen becomes uniform.
Adjust to diminish the notches in the vertical lines or the horizontal noise on the picture.



Using the Utility Disk

The supplied Utility Disk contains test patterns for PITCH and PHASE adjustments. These test patterns will help you confirm that your adjustments are correct.

If TIMING is set to NO in the DOT ADJUST menu

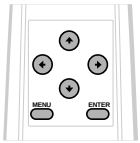
1 Press ↓ or ↑ to select TIMING, and press ENTER. The TIMING adjustment screen appears.
2 Press ↓, ↑, ← or → until TIMING is set to YES.

The PITCH, PHASE or TIMING adjustment screen automatically disappears after about 80 seconds if you do not press any button.
You can also erase the screen by pressing MENU again.

Note
You cannot use this function for the input from VIDEO 1/2/3 IN and COMPONENT IN.

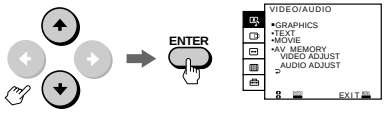
Selecting the preset picture viewing mode

The video/audio mode feature allows you to choose four different modes of picture/sound settings. Choose the one that best suits the type of program that you want to watch.

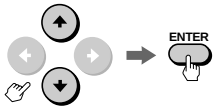


1 Press MENU.

2 Press ↓ or ↑ to select "♪ (VIDEO/AUDIO)," and press ENTER.



3 Press ↓ or ↑ to select the desired item, and press ENTER.



Choose	To	Applicable signal
GRAPHICS	Watch a picture with a wide variety of colors.	RGB, video and component
TEXT	Watch a picture with lots of letters or characters.	RGB only
MOVIE	Watch a movie using a computer, video, laser disk, etc.	RGB, video and component
AV MEMORY	Adjust the quality of the picture/sound to suit your taste. (For details, see pages **20** through **22**.)	RGB*, video and component

* COLOR, HUE, H WHITE and DRC cannot be adjusted.

4 Press MENU to return to the original screen.

To reset to the factory preset setting

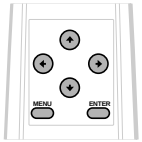
See page **26**.

Note
You cannot adjust the settings in modes other than AV MEMORY.

GB

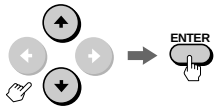
Adjusting the picture (AV MEMORY)

You can adjust the quality of the picture to suit your taste and store the settings into AV MEMORY.

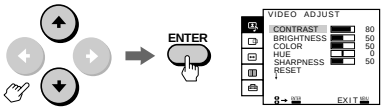


1 Press MENU.

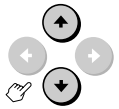
2 Press ↓ or ↑ to select "(VIDEO/AUDIO)," and press ENTER.



3 Press ↓ or ↑ to select VIDEO ADJUST, and press ENTER.

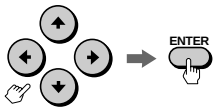


4 Select the item you want to adjust.
For example:
(1) To adjust the brightness, press ↓ or ↑ to select BRIGHTNESS.



(2) Press ENTER.

5 Adjust the selected item.
Press ↓, ↑, ← or → to adjust the item, and press ENTER.



Item	Press ↓ or ← to	Press ↑ or → to
CONTRAST	Decrease picture contrast.	Increase picture contrast.
BRIGHTNESS	Darken the picture.	Brighten the picture.
COLOR	Decrease color intensity.	Increase color intensity.
HUE	Make picture tones purplish.	Make picture tones greenish.
SHARPNESS	Soften the picture.	Sharpen the picture.

6 To adjust other items, repeat steps 4 and 5.

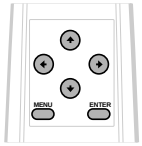
7 Press MENU to return to the original screen.

To reset to the factory preset setting
Select RESET from the VIDEO ADJUST menu, and press ENTER. See page **26** for additional reset methods.

Notes
- When an RGB signal is input, COLOR and HUE cannot be adjusted.
- You can adjust the items in AV MEMORY for each input from VIDEO 1, 2 and 3 IN, RGB 1 IN, RGB 2 IN, and COMPONENT IN.
- You can operate the menu using the ↑/↓/←/→ and the ENTER buttons inside the drop-down panel on the front of the monitor.

Adjusting the picture in more detail

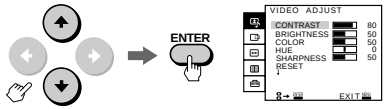
You can adjust the picture with the DRC (Digital Reality Creation), H-WHITE and COLOR TEMP (temperature) options.



1 Press MENU.

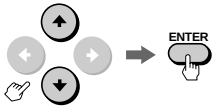
2 Press ↓ or ↑ to select "(VIDEO/AUDIO)," and press ENTER.

3 Press ↓ or ↑ to select VIDEO ADJUST, and press ENTER.

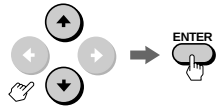


4 Press ↓ or ↑ to scroll down to RESET, then press ↓ again.

5 Select the desired item with ↓ or ↑, then press ENTER.



6 Press ↓ or ↑ to adjust the item, then press ENTER.



Choose	To
DRC (Digital Reality Creation)	Obtain a finer, more detailed picture with four-times higher density than the conventional NTSC or PAL video input. You can choose HIGH or LOW for the desired DRC effect. To cancel the DRC effect, choose OFF.
H-WHITE	Emphasize the white colors of a picture by turning it ON.
COLOR TEMP (Color temperature)	Make the white colors warm (reddish) in the LOW position or make the whites cool (bluish) in the HIGH position.

7 To adjust other items, repeat steps 5 and 6.

8 Press MENU to return to the original screen.

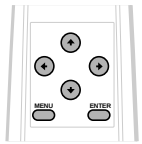
To reset to the factory preset setting
Select RESET on the second page of the VIDEO ADJUST menu, and press ENTER. See page **26** for additional reset methods.

Notes
- You can adjust the items in AV MEMORY for each input from VIDEO 1, 2 and 3 IN, RGB 1 IN, RGB 2 IN, and COMPONENT IN.
- When an RGB signal is input, you cannot adjust DRC and H-WHITE.
- You can operate the menu using the ↑/↓/←/→ and the ENTER buttons inside the drop-down panel on the front of the monitor.

GB

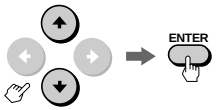
Adjusting the sound (AV MEMORY)

You can adjust the quality of the sound to suit you taste and store the settings into AV MEMORY.

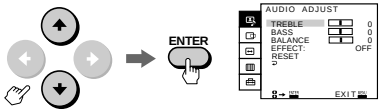


1 **Press MENU.**

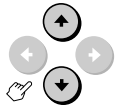
2 **Press ↓ or ↑ to select "(VIDEO/AUDIO)," and press ENTER.**



3 **Press ↓ or ↑ to select AUDIO ADJUST, and press ENTER.**

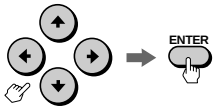


4 **Select the item you want to adjust.**
For example:
(1) To adjust the bass, press ↓ or ↑ to select BASS.



(2) Press ENTER.

5 **Adjust the selected item.**
Press ↓, ↑, ← or → to adjust the item, and press ENTER.



Item	Press ↓ or ← to	Press ↑ or → to
TREBLE	Decrease the treble response.	Increase the treble response.
BASS	Decrease the bass response.	Increase the bass response.
BALANCE	Emphasize the left speaker's volume.	Emphasize the right speaker's volume.

6 **To adjust other items, repeat steps 4 and 5.**

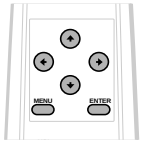
7 **Press MENU to return to the original screen.**

To reset to the factory preset setting
Select RESET from the AUDIO ADJUST menu, and press ENTER. See page **26** for additional reset methods.

Notes
- You can adjust the items in AV MEMORY for each input from VIDEO 1, 2 and 3 IN, RGB 1 IN, RGB 2 IN, and COMPONENT IN.
- You can operate the menu using the ↑/↓/←/→ and the ENTER buttons inside the drop-down panel on the front of the monitor.

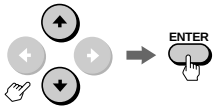
Selecting the audio effect (EFFECT)

Audio effect mode allows you to enjoy dynamic three-dimensional sound effects.

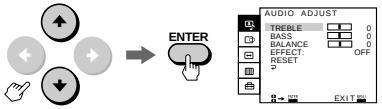


1 **Press MENU.**

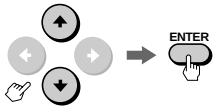
2 **Press ↓ or ↑ to select "(VIDEO/AUDIO)," and press ENTER.**



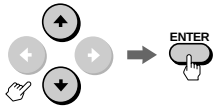
3 **Press ↓ or ↑ to select AUDIO ADJUST, and press ENTER.**



4 **Press ↓ or ↑ to select EFFECT, and press ENTER.**



5 **Press ↓ or ↑ to select the desired item, and press ENTER.**



Choose	To
HALL SURROUND 1	Receive dynamic three-dimensional sound.
HALL SURROUND 2	Watch a movie.
OFF	Cancel audio effect.

6 **Press MENU to return to the original screen.**

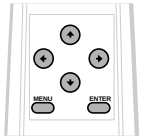
To reset to the factory preset setting
Select RESET from the AUDIO ADJUST menu, and press ENTER. See page **26** for additional reset methods.

Notes
- You can adjust the items in AV MEMORY for each input from VIDEO 1, 2 and 3 IN, RGB 1 IN, RGB 2 IN, and COMPONENT IN.
- You can operate the menu using the ↑/↓/←/→ and the ENTER buttons inside the drop-down panel on the front of the monitor.

GB

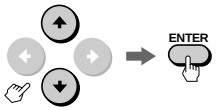
Turning the power off automatically (AUTO SHUT OFF)

You can set the monitor to turn off after a spcified time has passed. The timer will start when the sync signal from the computer shuts off.

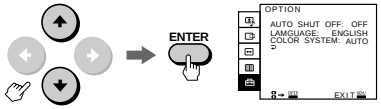


1 **Press MENU.**

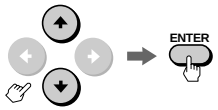
2 **Press ↓ or ↑ to select "🧰 (OPTION)," and press ENTER.**



3 **Press ↓ or ↑ to select AUTO SHUT OFF, and press ENTER.**



4 **Press ↓ or ↑ to select 60 (minutes), 90 (minutes) or 120 (minutes), and press ENTER.**



5 **Press MENU to return to the original screen.**

After the time you specify in step 4 has passed once the sync signal is cancelled, the power turns off and the STANDBY and ⏻ indicators will light up.
If you press I/⏻ on the remote control or a signal is input from the computer again, the power will turn on.

To cancel the AUTO SHUT OFF function

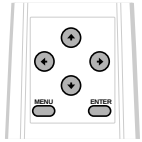
Select OFF in step 4 above.

Note

You cannot use this function for the input from VIDEO 1/2/3 IN and COMPONENT IN.

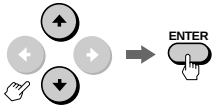
Selecting the color system (COLOR SYSTEM)

Normally, set COLOR SYSTEM to AUTO. The appropriate color system will be automatically selected for the input video signal. If the input signal is too weak and the picture is distorted or colorless, select the color system manually.

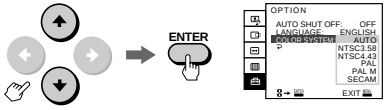


1 **Press MENU.**

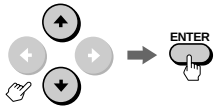
2 **Press ↓ or ↑ to select "🧰 (OPTION)," and press ENTER.**



3 **Press ↓ or ↑ to select COLOR SYSTEM, and press ENTER.**



4 **Press ↓ or ↑ to select an appropriate color system, NTSC3.58, NTSC4.43, PAL, PAL M or SECAM, and press ENTER.**



5 **Press MENU to return to the original screen.**

Notes

- You can operate the menu using the ⇧/⇩/⇦/⇨ and the ENTER buttons inside the drop-down panel on the front of the monitor.
- You cannot use this function for the input from RGB 1, 2 IN and COMPONENT IN.

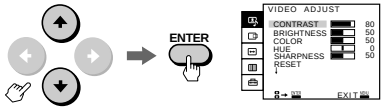
GB

Resetting the adjusted items to the factory preset levels

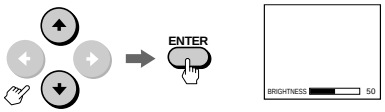
Resetting an individual item in the menu displayed on the screen

1 **Press MENU.**

2 **Press ↓ or ↑ to select the menu which contains the item to be reset, and press ENTER.**



3 **Press ↓ or ↑ to select the item you want to reset, and press ENTER.**

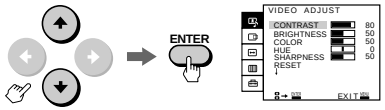


4 **Press RESET on the monitor.**
The selected item in the menu will be restored to the factory preset level.

Resetting all of the items in the menu at the same time

1 **Press MENU.**

2 **Press ↓ or ↑ to select the menu you want to reset, and press ENTER.**



3 **Press RESET on the monitor.**
All of the items in the menu displayed on the screen will be restored to the factory preset levels.

Resetting the adjusted items for the signal currently displayed on the screen

Press RESET on the monitor while there is no menu on the screen.
All of the adjusted items for the current signal (other than VIDEO ADJUST and OPTION) will be restored to the factory preset levels.

Resetting all of the adjusted items

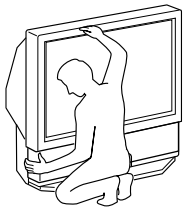
Press and hold RESET on the monitor for more than 2 seconds.
All of the adjusted items for the monitor will be restored to the factory preset levels.

Cleaning the air filter

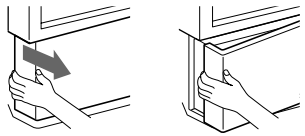
After about 300-hours of use, the message, "CLEAN THE FILTER," will appear on the screen. In this case, clean the air filter. When it becomes difficult to remove the dust, replace the filter with a new one. To clean the filter, follow the steps below.

1 **Turn off the power switch on the monitor and unplug the power cord.**

2 **Remove the front panel from the monitor.**

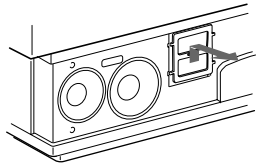


Hold the monitor tightly.

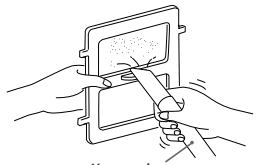


Grasping the left end of the front panel with your fingers, pull the panel towards you. Repeat this step with the right end of the panel. Be careful not to catch your fingernails.

3 **Pull the air filter upwards to remove.**

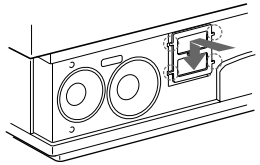


4 **Remove the dust from the filter with a vacuum cleaner.**



Vacuum cleaner

5 **Attach a new filter to the monitor.**
Fit the four projections to the monitor securely.



GB

6 **Mount the front panel.**
Be careful not to damage the speakers.

Notes

- Clean the air filter when the message, "CLEAN THE FILTER," appears on the screen. If you do not, internal heat may build up.
- Do not use a torn filter. Fit the four projections on the filter to the monitor securely. Dust inside the monitor may cause picture distortion and fire.
- Be sure to attach the air filter securely; otherwise, the monitor will not turn on.
- Contact your Sony dealer for a new filter.

Replacing a lamp

If the screen becomes dark, the color looks unusual, or the LAMP indicator on the front of the monitor flashes, it is time to replace the lamp with a new one.

Disposal of the Used Lamp

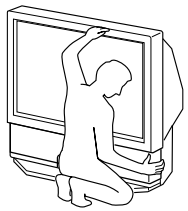
Sony regards protection of the environment as extremely important.
Kindly put the used lamp in the new lamp's package and send it to the sales company whose address appears on the new lamp's guaranty card.

Before replacement

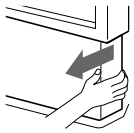
- Be sure to use a Sony XL-100 series lamp unit (not supplied) for replacement. Use of other lamps may damage the monitor.
- Do not remove the lamp for any purpose other than replacement.
- When replacing the lamp, let it cool down completely as the surface of the lamp remains extremely hot for at least 30 minutes after the power has been turned off.
- Do not leave the removed lamp near flammable materials.
- Do not pour water onto the removed lamp, nor put any object inside the lamp.
- Do not put inflammable materials and metal objects inside the lamp receptacle on the monitor, after removing the lamp. Do not touch the receptacle.
- Fit the new lamp securely, otherwise the screen may become dark, or it may cause a fire.

1 Turn off the power switch on the monitor and unplug the power cord.
Wait at least 30 minutes to allow the lamp to cool down before replacing it .

2 Remove the front panel.

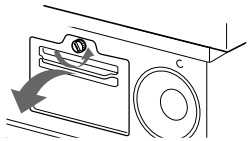


Hold the monitor tightly.

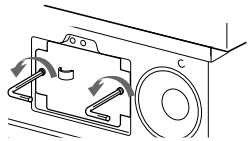


Grasping the right end of the front panel with your fingers, pull the panel towards you. Repeat this step with the left end of the panel. Be careful not to catch your fingernails.

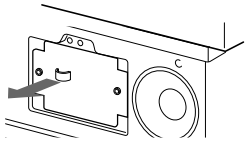
3 Loosen the screw with a coin or similar object to remove the lamp cover.



4 Loosen the two screws that secure the lamp, then pull out the lamp.
The lamp is very hot immediately after use. Never touch the front glass of the lamp or the surrounding parts.



Loosen the two screws with the hexagon head wrench (supplied with the lamp).



Hold the handle and pull out straight towards you.

Place the removed lamp into the empty box of the replacement lamp.

5 Mount the new lamp and tighten the two screws securely using the hexagon head wrench.

6 Mount the lamp cover and tighten the screw.

7 Mount the front panel.
Be careful not to damage the monitor's speakers.

Notes

- Do not touch the front glass of a new lamp or the glass of the lamp receptacle. This may reduce picture quality or lamp life.
- Be sure to attach the lamp securely; otherwise, the monitor will not turn on.
- A loud sound may be heard when the lamp burns out. This is not dangerous.
- Consult your Sony dealer for obtaining the following lamp units:
  XL-100 (for Japan)
  XL-100U (only for the U.S.)
  XL-100M (for countries other than Japan or the U.S.)

Troubleshooting

If the problem persists after trying the methods below, contact your nearest Sony dealer.

No picture

- ➡ Check that the power cord is connected firmly.
- ➡ Is the power of the monitor turned on?
- ➡ Is the air filter mounted securely? (page **27**)
- ➡ Is the lamp cover attached securely? (page **28**)
- ➡ Check that the power of the connected equipment is turned on.
- ➡ Try to press any key on the connected computer's keyboard.
- ➡ Check that the RGB signal cable or audio/video cords are properly connected. (The supplied HD15-HD15 adaptor may be needed for some models of IBM PC/AT or compatible computers. For a Macintosh or compatible computer, use the supplied Macintosh adaptor.) (pages **7** and **8**)
- ➡ Make sure that no pins on the HD15 connectors are bent.
- ➡ Check that the connected computer's video card is seated completely in the proper bus slot.
- ➡ Check that the frequency range of the input signal is within that specified for the monitor. (If not, "OUT OF SCAN RANGE" appears on the screen.) (page **9**)
- ➡ The monitor does not accept an interlace mode signal that is not a preset mode signal.
- ➡ For customers using Windows 95/98 — If "KL-X9200" is not displayed as "Monitor type" in the device selection screen in Windows 95/98, select "Plug and Play monitor (VESA DDC)" as "Monitor type."

Picture and sound output are delayed

- ➡ When the green ⏻ (power) indicator on the front is flashing, the monitor is warming up.
- ➡ To protect the lamp, the monitor does not immediately output the picture and sound if you try to turn on the power more than 5 seconds after the power has been turned off.

Good picture, no sound

- ➡ Press VOL+ (VOLUME+).
- ➡ Press MUTING so that "MUTING" disappears from the screen. (page **16**)
- ➡ The volume of the computer may be low.
- ➡ Check that the audio connecting cord is connected firmly to the audio outputs on the computer.

Fuzzy picture

- ➡ If you use the monitor in a cold place, moisture condensation may have occurred. Leave the monitor as it is to let the moisture evaporate.

GB

Dark picture

- ➡ Replace the lamp for the light source with a new one. (page **28**)

No color, abnormal color

- ➡ Adjust the picture in the VIDEO ADJUST menu. (pages **20** and **21**)
- ➡ Select an appropriate color system from the COLOR SYSTEM option in the OPTION menu to obtain optimum color.

Computer picture not clear

- ➡ Adjust PITCH, then PHASE in the DOT ADJUST menu. (page **18**)

Horizontal lines of the computer picture are not visible.

- ➡ Check that TIMING in the DOT ADJUST menu is set to YES. (page **18**)

Computer picture not centered or sized properly

- ➡ Adjust the centering and size so that the picture fits the screen. (pages **16** and **17**)

(continued)

Distorted picture

➡ Check your video card manual for the proper monitor setting.

➡ Check that the frequency and the graphic mode of the signal you are trying to input is within the acceptable range. (page **9**) Even if the signal is within the proper range, some video cards may have a sync pulse that is too narrow for the monitor to sync correctly.

No picture, no sound from the connected equipment

➡ Are all of the cords connected correctly?

➡ Press the RGB, VIDEO or COMPONENT button on the remote control. (page **15**)

The remote control does not function.

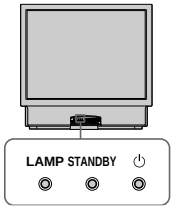
➡ Are the batteries worn out?

➡ If additional equipment is connected to the CONTROL S IN jack on the rear of the monitor, the remote control detector does not function. Disconnect any equipment connected to the CONTROL S IN jack. (page **13**)

The humming noise of the fans is heard even after the monitor has been turned off.

➡ The fans installed inside the monitor are working to prevent internal heat build-up. They will stop in about 2 minutes.

What the indicators on the front of the monitor mean



The ⏻ (power) (green), STANDBY (orange) and/or LAMP (orange) indicators indicate the condition of the monitor and provide warnings by lighting or flashing, as shown below.

The ⏻ indicator lights up.

➡ The power of the monitor is on.

The STANDBY indicator lights up.

➡ The monitor is in standby mode. The monitor is turned on by pressing **I**/⏻ on the remote control.

The ⏻ and STANDBY indicators light up.

➡ The AUTO SHUT OFF function is working. The monitor has been turned off when the time you specify has passed after the input from the computer is cut off.

The ⏻ indicator flashes.

➡ The lamp is preparing to turn on. Picture and sound will appear momentarily.

The LAMP and STANDBY indicators flash.

➡ The air filter or the lamp cover is not attached securely. When you secure the cover, the STANDBY indicator lights up and the LAMP indicator turns off. (pages **27** and **28**)

The LAMP indicator flashes.

➡ The lamp for the light source has burnt out. Replace it with a new one. (page **28**)

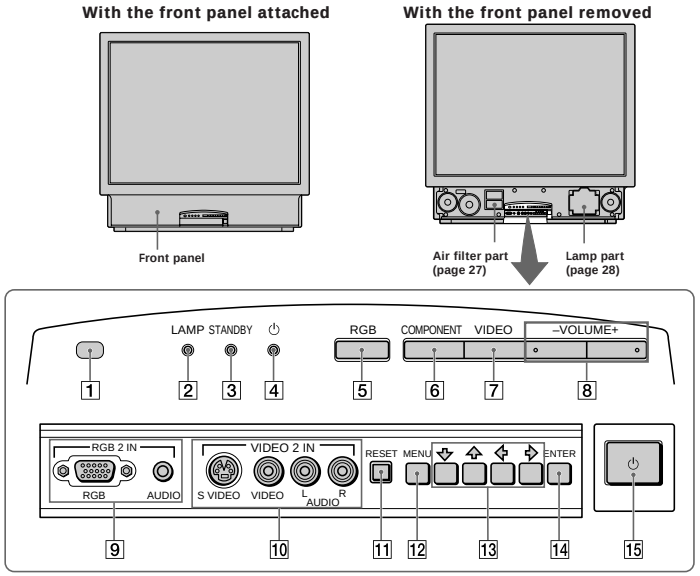
The LAMP, STANDBY and ⏻ indicators flash.
The LAMP and ⏻ indicators flash.
The STANDBY and ⏻ indicators flash.

➡ Contact qualified Sony personnel and inform them of the monitor's condition.

Identifying the parts

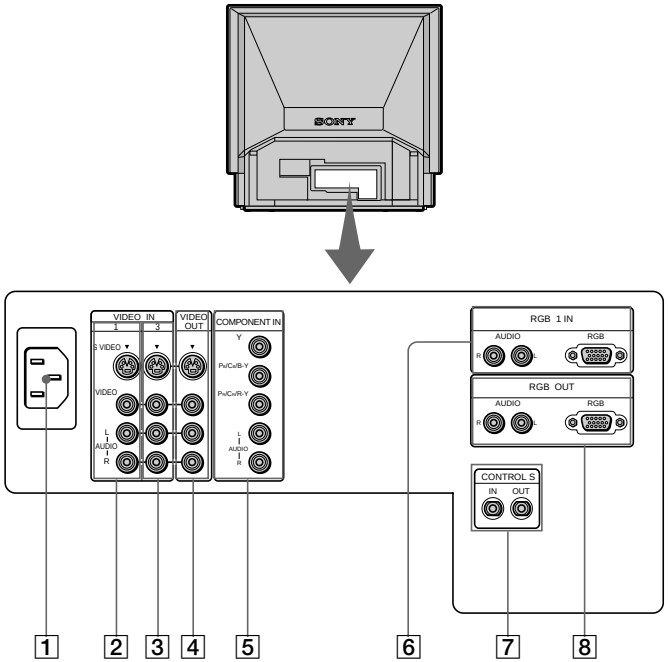
This section briefly describes the buttons and controls on the monitor and on the remote control. For more information, refer to the pages next to each description.

Projection monitor — Front



1 Remote control sensor
2 LAMP indicator (pages **28**, **30**)
3 STANDBY indicator (pages **15**, **24**, **30**)
4 ⏻ (power) indicator (pages **15**, **24**, **30**)
5 RGB button (page **15**)
6 COMPONENT button (page **15**)
7 VIDEO button (page **15**)
8 VOLUME +/– buttons (page **15**)
9 RGB 2 IN connector/AUDIO IN jack (pages **7**, **8**)
10 VIDEO 2 IN jacks (page **11**)
11 RESET button (pages **17**, **26**)
12 MENU button (page **14**)
13 ⇩/⇧/⇦/⇨ buttons (page **14**)
14 ENTER button (page **14**)
15 ⏻ (power) switch (page **15**)

Projection monitor — Rear

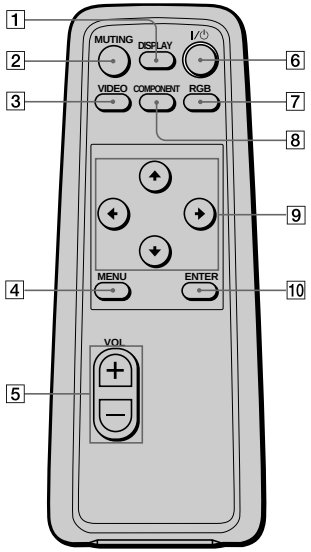


1 AC IN socket (page **13**)
2 VIDEO 1 IN jacks (pages **11**, **12**)
3 VIDEO 3 IN jacks (pages **11**, **12**)
4 VIDEO OUT jacks (page **11**)
5 COMPONENT IN jacks (page **12**)
6 RGB 1 IN connector/AUDIO IN jack (pages **7**, **8**, **10**)
7 CONTROL S IN/OUT jacks (page **13**)
8 RGB OUT connector/AUDIO OUT jack (page **10**)

(continued)

GB

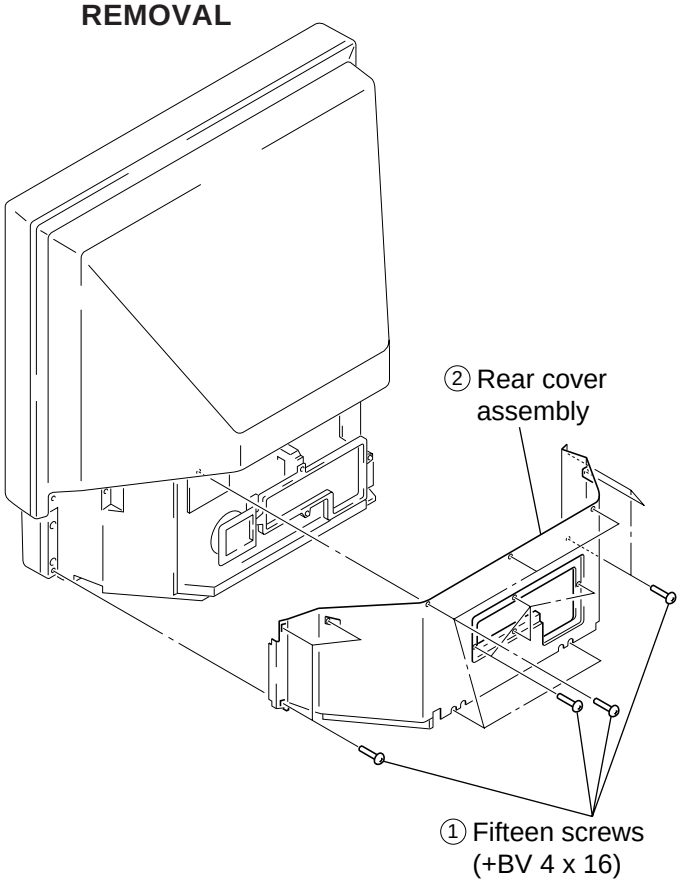
Remote control



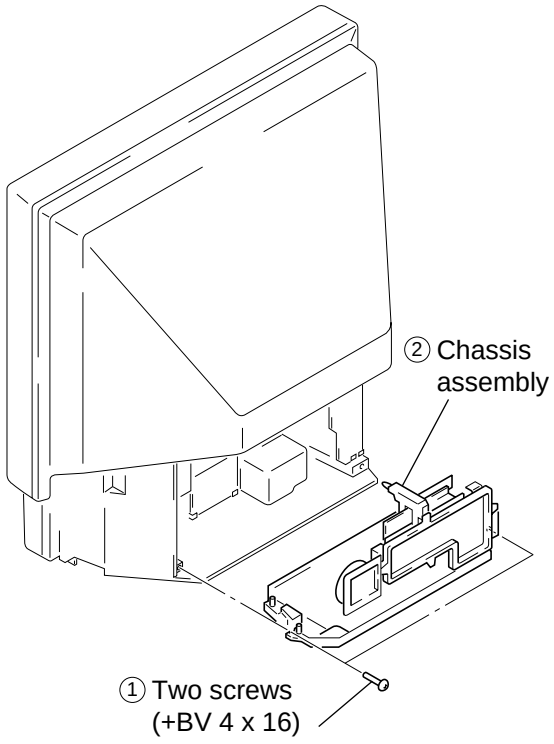
1 DISPLAY button (page **16**)
2 MUTING button (page **16**)
3 VIDEO button (page **15**)
4 MENU button (page **14**)
5 VOL (volume) +/– buttons (page **15**)
6 **I**/⏻ (power) button (page **15**)
7 RGB button (page **15**)
8 COMPONENT button (page **15**)
9 ↓/↑/←/→ buttons (page **14**)
10 ENTER button (page **14**)

SECTION 3
DISASSEMBLY

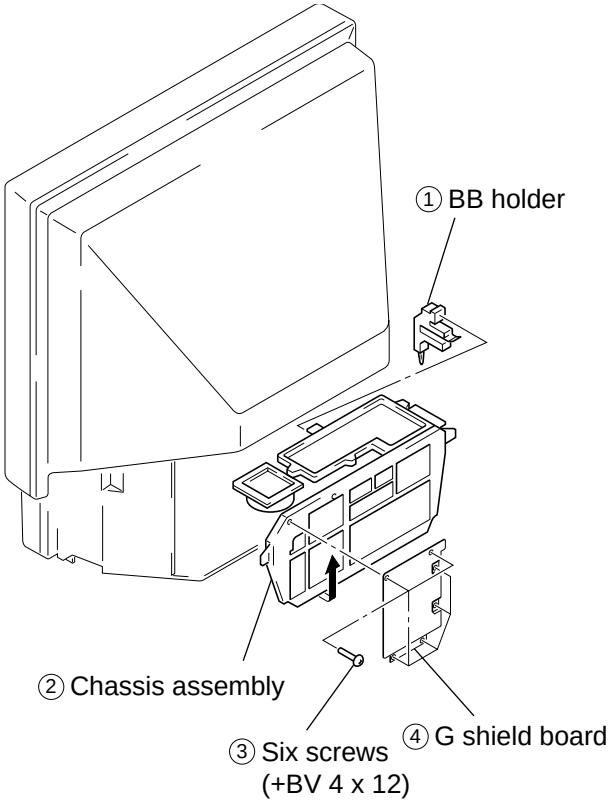
3-1. REAR COVER ASSEMBLY REMOVAL



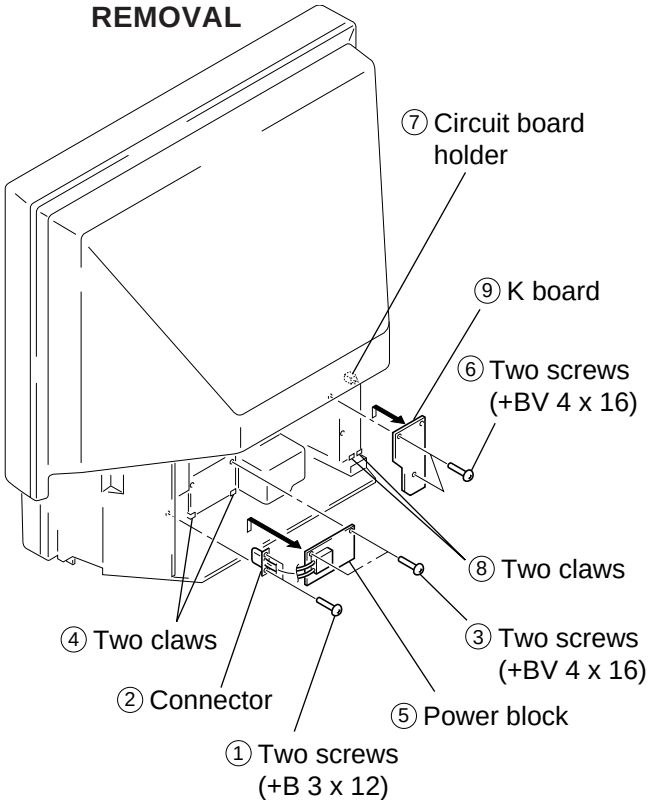
3-2. CHASSIS ASSEMBLY REMOVAL



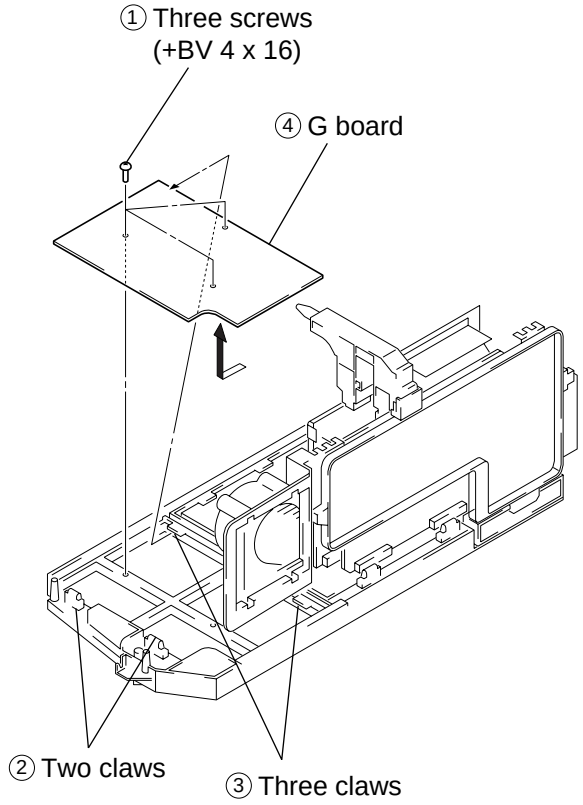
3-3. SERVICE POSITION



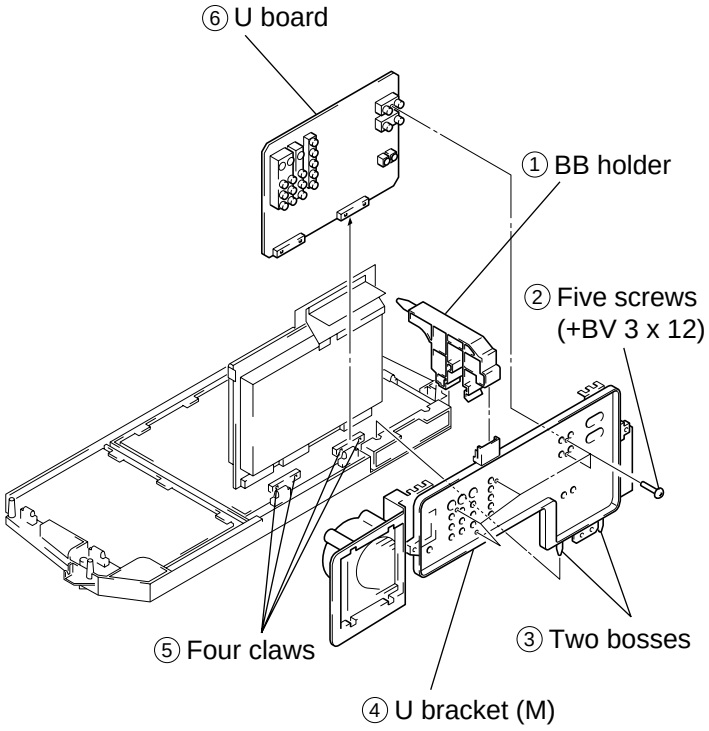
3-4. POWER BLOCK, K BOARD REMOVAL



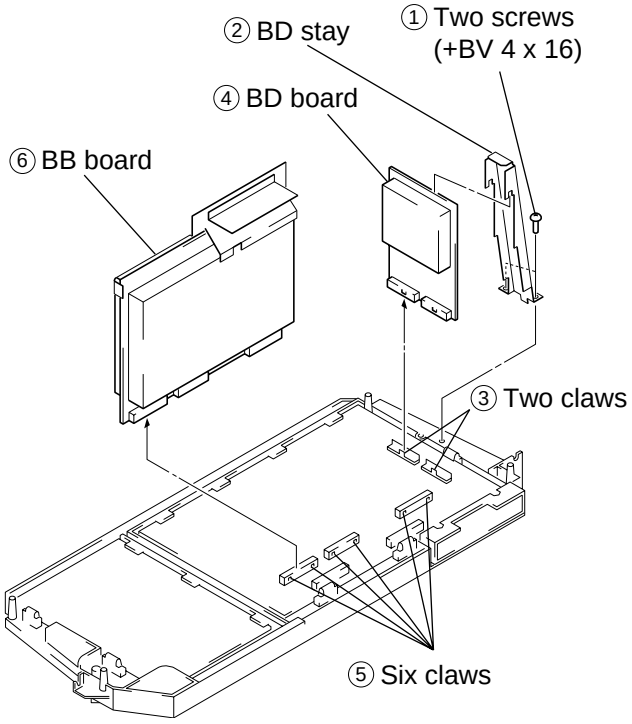
3-5. G BOARD REMOVAL



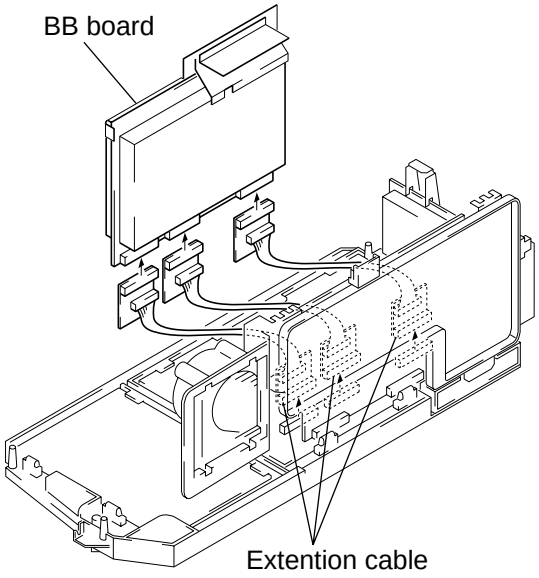
3-6. U BOARD REMOVAL



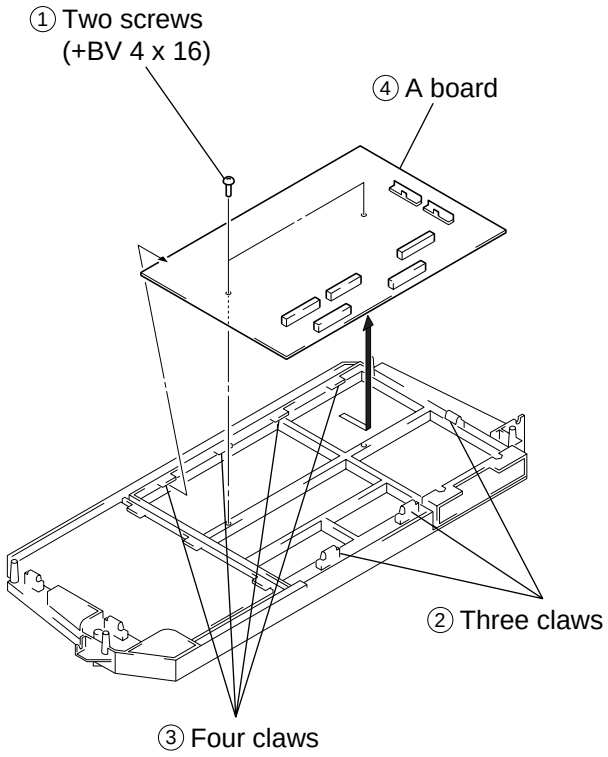
3-7. BB BOARD AND BD BOARD REMOVAL



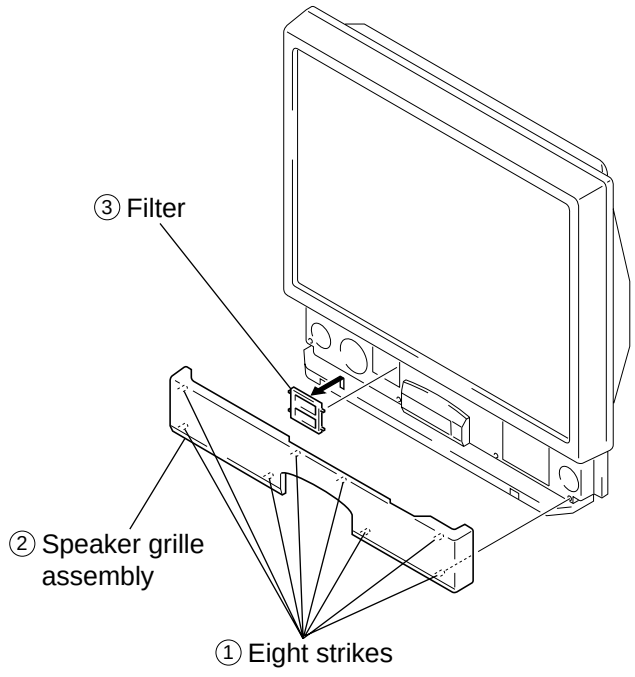
3-8. INSPECTION METHOD OF THE BB BOARD



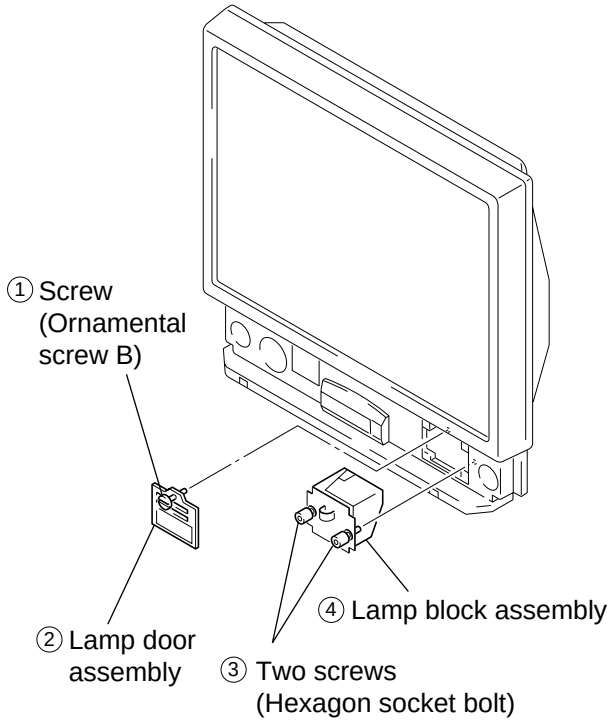
3-9. A BOARD REMOVAL



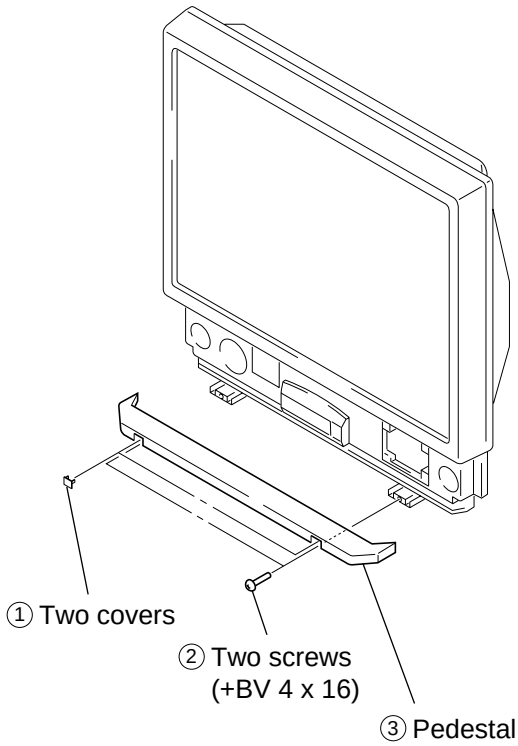
3-10. FILTER REMOVAL



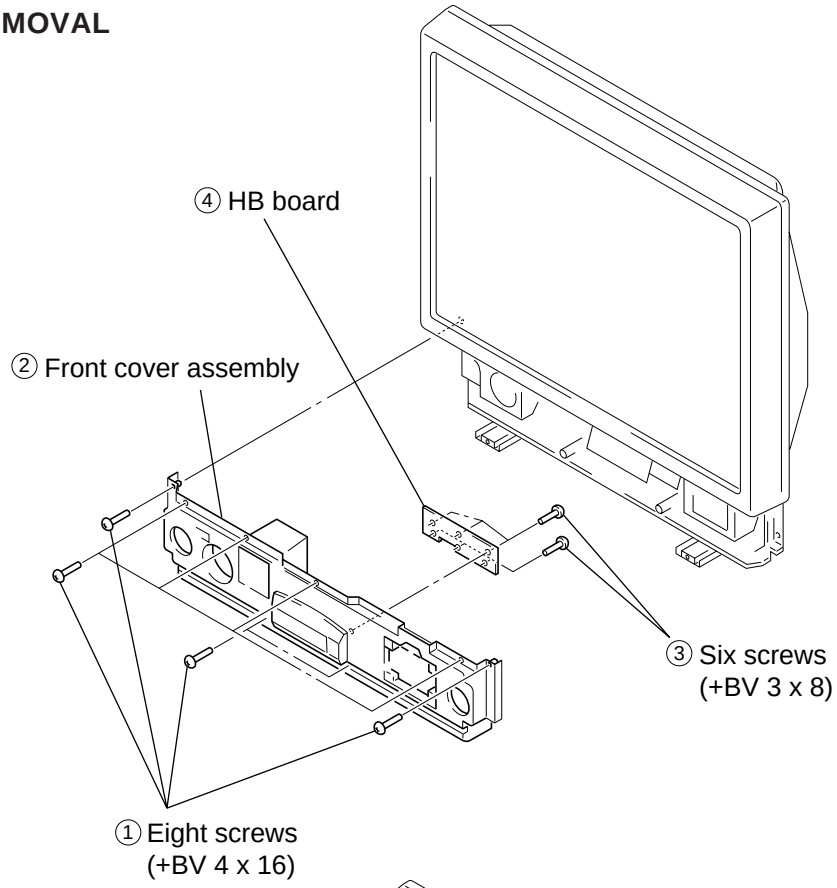
3-11. LAMP BLOCK REMOVAL



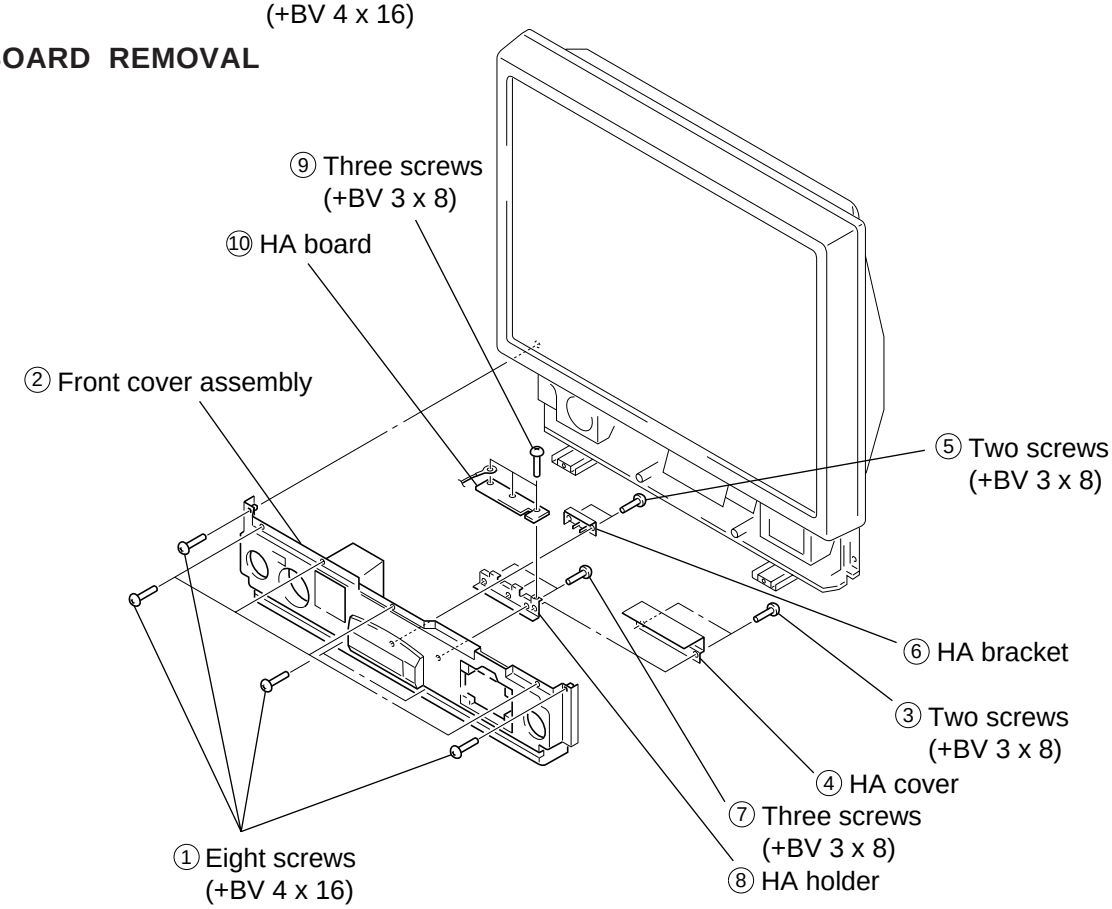
3-12. PEDESTAL REMOVAL



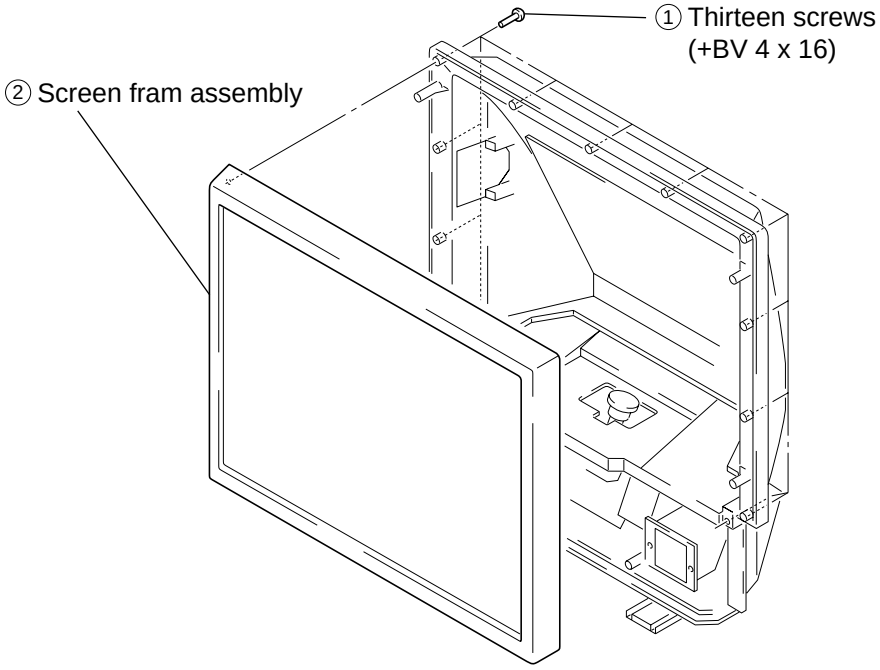
3-13. HB BOARD REMOVAL



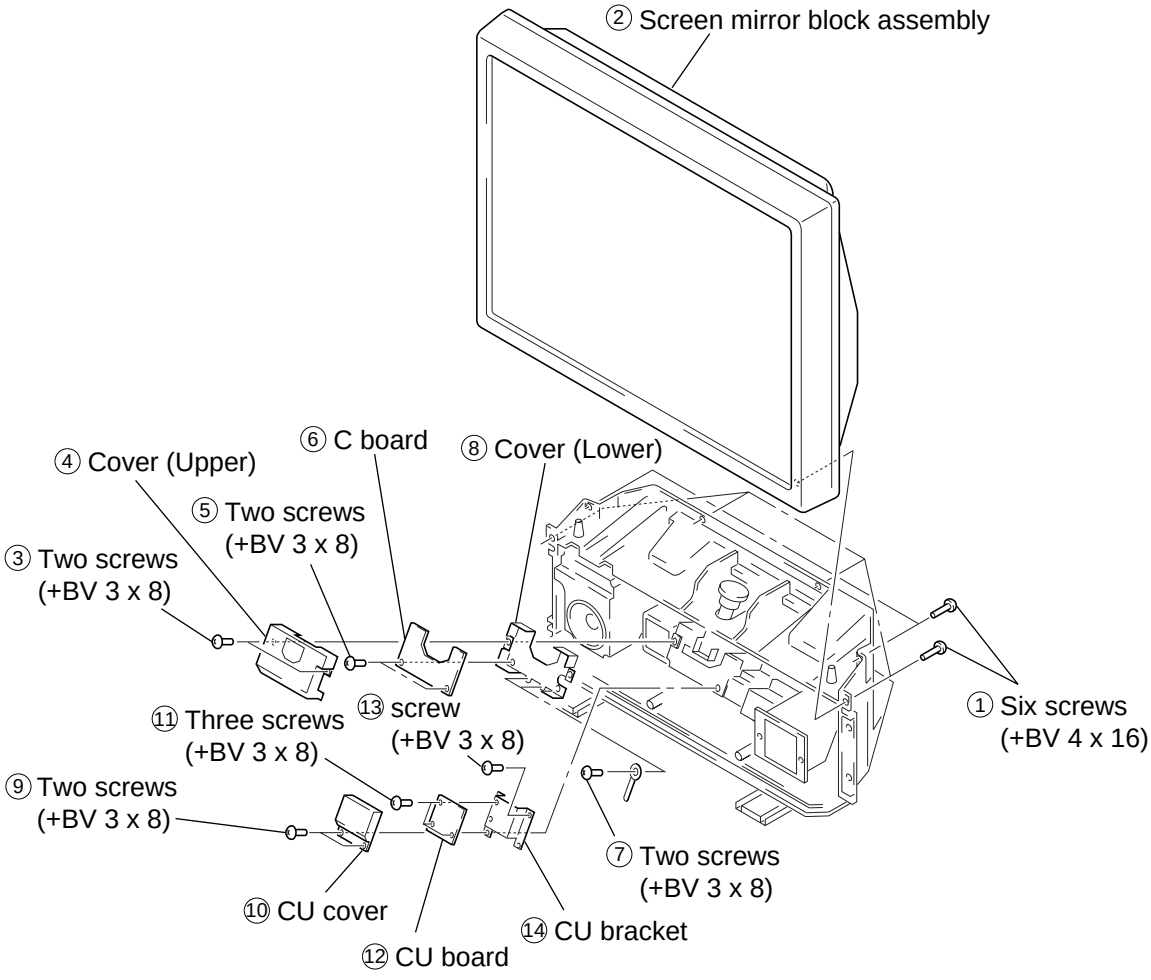
3-14. HA BOARD REMOVAL



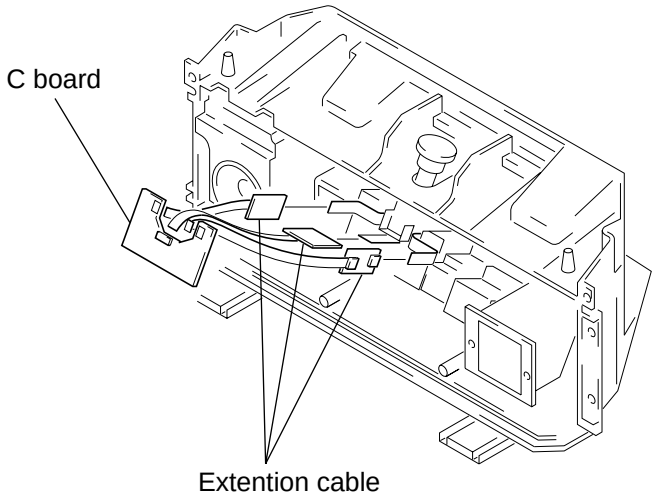
3-15. SCREEN FRAME ASSEMBLY REMOVAL



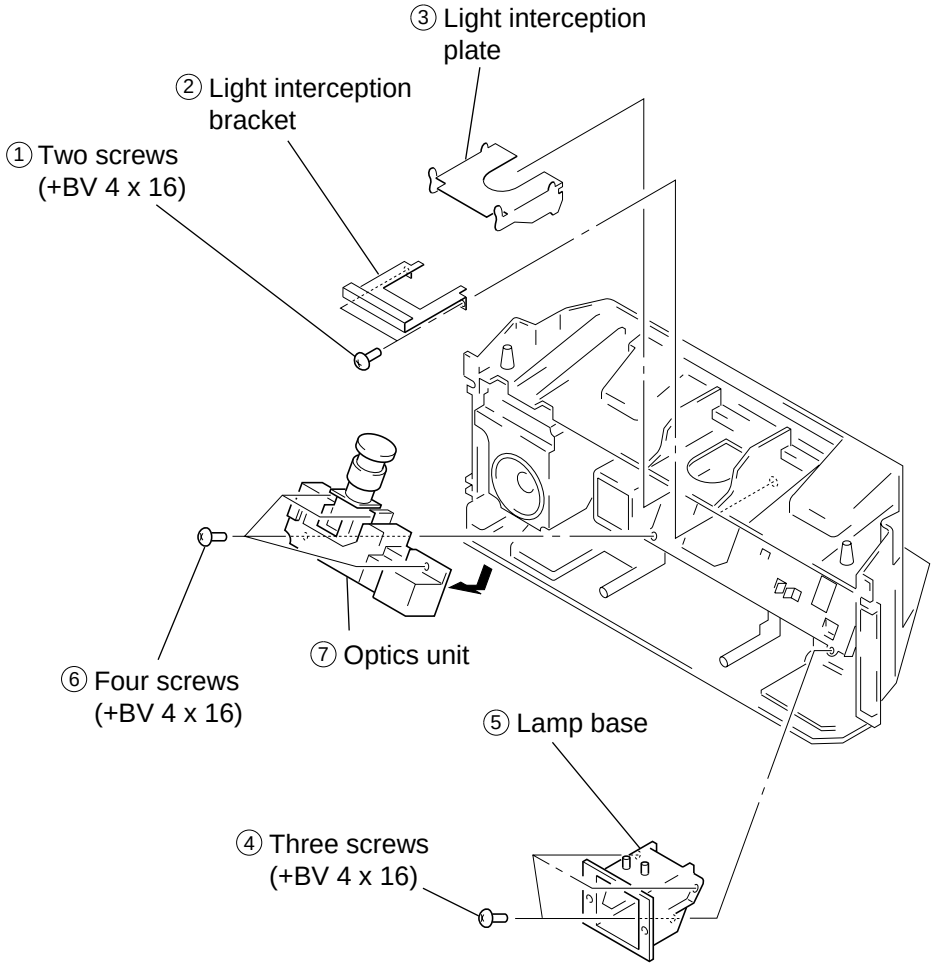
3-16. C BOARD AND CU BOARD REMOVAL



3-17. INSPECTION METHOD OF THE C BOARD



3-18. OPTICS UNIT REMOVAL

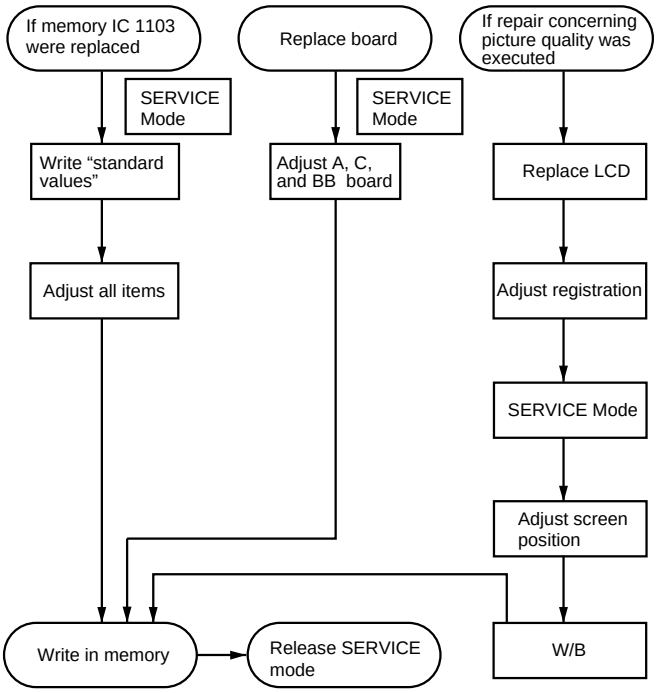


SECTION 4
CIRCUIT ADJUSTMENTS

ELECTRICAL ADJUSTMENT IN SERVICE MODE

The SERVICE mode can be entered with the remote commander RM-902 attached to this set. The SERVICE mode can not be activiated when the menu is indicated on the screen.

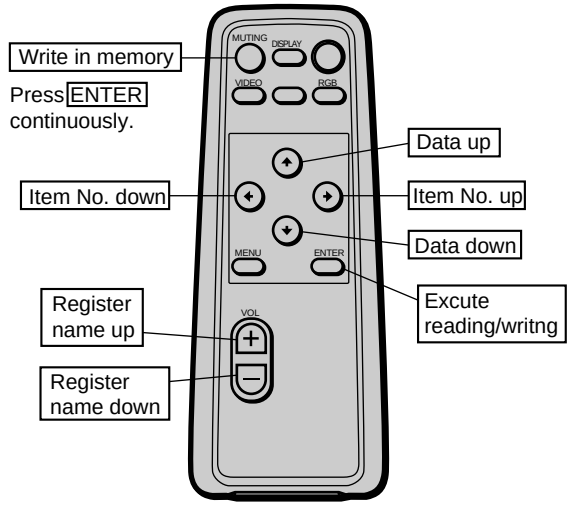
ELECTRICAL ADJUSTMENTS IN SERVICE MODE



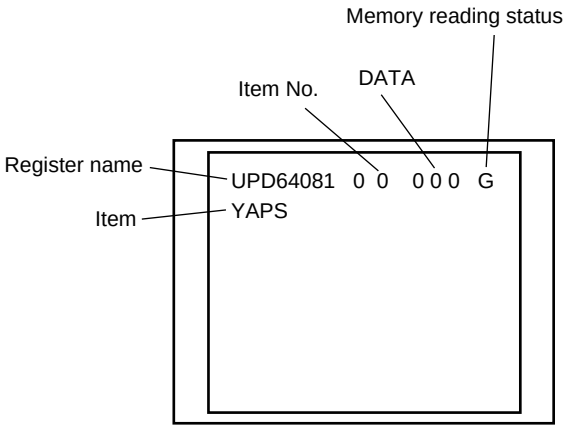
Note:
- Write data in the memory each time when one item was adjusted.
- Adjusted data are not saved if the power is turned off before they are written in the memory.

Function of commander in SERVICE mode

* Example of SERVICE mode using the commander of other TV set



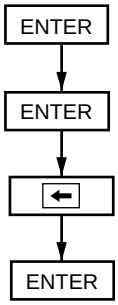
Screen in SERVICE mode



G: Memory reading normal
NG: Memory reading failed

BASIC ADJUSTMENT IN SERVICE MODE

1. To enter the SERVICE mode,
   1) Turn "ON" the monitor POWER and turn "OFF" the menu.
   2) Operate the remote commander as follows.



2. To read the memory,
   1) Enter SERVICE mode.
   2) Press [DISPLAY] - [ENTER] buttons on the remote commander, and read out the adjusted values and set values of all items written in the memory.

Note) If the memory IC is replaced, do not read out the memory before writing standard values.

3. Adjustment of screen
   1) Select the item No. to be adjusted using [←], [→] buttons on the remote commander.
   2) Adjust with [↓] and [↑] buttons to satisfy the picture quality and set values.

4. To write date in the memory,
   - After adjustment, press [MUTING], [ENTER] buttons to write data in the memory. Press [ENTER] button while green "WRITE" is displayed on the screen (within 3 seconds).
     Color of WRITE characters on the screen
     When [MUTING] button is ON ..... green
     When [ENTER] button is ON ..... red

5. To release SERVICE mode,
   - Turn off the power switch on the monitor, and again turn it on. As a result, the SERVICE mode display is cleared and normal TV mode is resumed.
   - Or, turn off the power with the remote commander and again turn it on with the remote commander in the standby status. As a result, the SERVICE mode display is cleared and normal TV mode is resumed.

6. To write standard values
   1) Enter SERVICE mode.
   2) Press [MUTING] [↑] button on the remote commander, green "STANDARD WRITE" is displayed at the upper right of the screen. Successively, press [ENTER] button while these characters are displayed (within 3 seconds). Green "STANDARD WRITE" changes to red, then the screen becomes blank, and after 5 seconds, RGB1 channel is selected and the operation is completed. At this time, green "G" is displayed. When writing of "standard values" is executed, the standard values in the microprocessor on the selected channel are written in the memory. Thus, the initialize is made.

Note) Writing of "standard values" must be executed initially, only when the memory IC3, IC4 (A board), IC16 (BB board), IC5804 (C board) are replaced.
After STANDARD WRITE is executed, you will lose all of the adjustment value and have to start adjusting from the beginning.

[TDA9143-1] NVM SLAVE ADD. A6 IIC1

Item	Type	Range	Note
00 INAB	002	000-003	CVBS or YC selection
01 TB	001	000-001	Trap bypass setting
02 ECMB	001	000-001	COMB filter enable
03 POC	000	000-001	Loop filter control
04 FOAB	003	000-003	Loop filter time constant setting
05 XAB	003	000-003	Crystal oscillator setting
06 FORF	000	000-003	Forced field frequency setting
07 OPA	000	000-001	Output value, input/output port
08 OPB	000	000-001	Output value, output port
09 COLS	004	000-007	Color level adjustment
10 EFS	000	000-001	Fast switch enable setting
11 ECL	000	000-001	External RGB clamp mode setting
12 HUE	031	000-063	Hue adjustment
13 LCA	001	000-001	Line lock clock setting
14 FWW	000	000-001	Forced wide window setting
15 FRGB	000	000-001	Forced RGB mode
16 MACP	000	000-001	MACP
17 HD	000	000-001	HD
18 HOBC	000	000-003	PAL plus/EDTV2 blanking setting
19 YH21	000	000-003	YH21
20 BSY	001	000-001	Sync ON Y blanking setting
21 BPS	001	000-001	Delay line bypass setting
22 LPS	000	000-001	Low power standby setting
23 EMG	001	000-001	Macro vision enable setting
24 YD3O		000-015	Y signal delay setting

[CXA2101-1] NVM SLAVE ADD. A2 IIC1

Item	Type	Range	Note
00 SUB BRIGHT	052	000-063	Bright center adjustment
01 SUB BRI OFFSET		000-063	Offset value of bright center adjustment
02 R DRIVE		000-063	R drive adjustment
03 G DRIVE		000-063	G drive adjustment
04 B DRIVE		000-063	B drive adjustment
05 CB OFFSET1		000-015	CB offset adjustment 1
06 CR OFFSET1		000-015	CR offset adjustment 1
07 CB OFFSET2	007	000-015	CB offset adjustment 2
08 CR OFFSET2	007	000-015	CR offset adjustment 2
09 R CUTOFF	031	000-063	R cutoff adjustment
10 G CUTOFF	031	000-063	G cutoff adjustment
11 B CUTOFF	031	000-063	B cutoff adjustment

[CXA2101-4] NVM SLAVE ADD. A2 IIC1

Item	Type	Range	Note
00 PICTURE	031	000-063	Picture control
01 BRIGHT	031	000-063	Brightness control
02 SUB SHARP		000-003	Sharpness control center adjustment
03 SHARP F0		000-003	Sharpness F0 setting
04 PRE/OVER		000-003	Pre-overshoot balance setting
05 LEC LEVEL		000-003	Y signal transient setting
06 CEC LEVEL		000-003	Chroma signal transient setting
07 R-Y/R		000-015	Detection axis setting
08 R-Y/B		000-015	Detection axis setting
09 G-Y/R		000-015	Detection axis setting
10 G-Y/B		000-015	Detection axis setting
11 SYSTEM		000-003	Signal frequency band setting
12 SUB CON		000-015	Input Y level adjustment, except linear RGB except linear RGB
13 SUB COL		000-015	Input color difference level adjustment, except linear RGB
14 SUB HUE		000-015	Hue control center adjustment

[VIDEO ADJ] NVM SLAVE ADD. A0,A2 IIC1

Item	Type	Range	Note
00 USER CONTRAST		000-100	Contrast typical value setting by input/picture quality mode
01 USER BRIGHT		000-100	Brightness typical value setting by input/ picture quality mode
02 USER COLOR		000-100	Color typical value setting by input/picture quality mode
03 USER HUE		000-062	Hue typical value setting by input/picture quality mode
04 USER SHARP		000-100	Sharpness typical value setting by input/ picture quality mode
05 USER DRC		000-003	DRC typical value setting by input/picture quality mode
06 USER H WHITE		000-001	H-white typical value setting by input/picture quality mode
07 USER COL TEMP		000-003	Color temp. typical value setting by input/ picture quality mode
08 GAMMA		000-015	Gamma correction level setting by input/ picture quality mode
09 DC TRAN		000-003	DC transmission rate setting by input/picture quality mode
10 D PIC		000-003	Dynamic picture setting by input/picture quality mode

[CXA2055-1] NVM SLAVE ADD. A6 IIC1

Item	Type	Range	Note
00 SBRT C32		000-063	RGB common cutoff adjustment
01 RCUT		000-255	R cutoff adjustment (color temperature: high)
02 GCUT		000-255	G cutoff adjustment (color temperature: high)
03 BCUT		000-255	B cutoff adjustment (color temperature: high)
04 RCOM C64	064	000-127	R cutoff at color temp.: middle (offset value)
05 GCOM C64	064	000-127	G cutoff at color temp.: middle (offset value)
06 BCOM C64	062	000-127	B cutoff at color temp.: middle (offset value)
07 RCOL C64	064	000-127	R cutoff at color temp.: low (offset value)
08 GCOL C64	064	000-127	G cutoff at color temp.: low (offset value)
09 BCOL C64	060	000-127	B cutoff at color temp.: low (offset value)

[CXA2055-2] NVM SLAVE ADD. A6 IIC1

Item	Type	Range	Note
00 DRVL		000-255	RGB common drive level adjustment
01 RDRV		000-255	R drive level adjustment (color temperature: high)
02 GDRV		000-255	G drive level adjustment (color temperature: high)
03 BDRV		000-255	B drive level adjustment (color temperature: high)
04 RDOM C128	128	000-255	R drive level at color temp.: middle (offset value)
05 GDOM C128	128	000-255	G drive level at color temp.: middle (offset value)
06 BDOM C128	124	000-255	B drive level at color temp.: middle (offset value)
07 RDOL C128	128	000-255	R drive level at color temp.: low (offset value)
08 GDOL C128	128	000-255	G drive level at color temp.: low (offset value)
09 BDOL C128	120	000-255	B drive level at color temp.: low (offset value)
10 OSDG	007	000-015	OSD gain adjustment
11 BRTM	001	000-003	Output D range setting
12 DA28	127	000-255	Spare DAC output
13 DA5	127	000-255	Spare DAC output
14 BLKM	000	000-001	Blanking level mode setting
15 BLKL	060	000-063	Blanking level setting
16 BRTS	000	000-001	Brightness adjustment mode setting
17 SYNP	000	000-001	Sync polarity setting of sync ON G
18 VDEM	000	000-001	Video detection mode setting
19 POWS	000	000-001	Power save mode setting
20 CLPP	000	000-001	Input clamp pulse polarity setting
21 VDEL	002	000-003	Vth level for video period detection
22 PINS	000	000-003	27 pin/28 pin function selection

[M62370] NVM SLAVE ADD. AE IIC1

Item	Type	Range	Note
00 R GN	102	000-255	R gain adjustment
01 G GN	086	000-255	G gain adjustment
02 B GN	128	000-255	B gain adjustment
03 R BS	139	000-255	R bias adjustment
04 G BS	141	000-255	G bias adjustment
05 B BS	128	000-255	B bias adjustment
06 RHBS	124	000-255	R white position adjustment
07 GHBS	124	000-255	G white position adjustment
08 BHBS	124	000-255	B white position adjustment
09 RHGN	124	000-255	R white gain adjustment
10 GHGN	124	000-255	G white gain adjustment
11 BHGN	124	000-255	B white gain adjustment
12 RLG1		000-255	R black 1 gain adjustment
13 GLG1	077	000-255	G black 1 gain adjustment
14 BLG1		000-255	B black 1 gain adjustment
15 RLG2	160	000-255	R black 2 gain adjustment
16 GLG2	115	000-255	G black 2 gain adjustment
17 BLG2	160	000-255	B black 2 gain adjustment
18 SIGC	193	000-255	Signal center voltage adjustment
19 SIDL	163	000-255	SID level adjustment
20 PRGL	074	000-255	Precharge level adjustment
21 BLKL	092	000-255	BLK level adjustment
22 DA3	124	000-255	Not used
23 RLG1-MDL C128	124	000-255	R black 1 gain adjustment (color temp.: middle)
24 BLG1-MDL C128			B black 1 gain adjustment (color temp.: middle)
25 RLG1-LOW C128			R black 1 gain adjustment (color temp.: low)
26 BLG1-LOW C128			B black 1 gain adjustment (color temp.: low)

[BIAS] NVM SLAVE ADD. AE IIC1

Item	Type	Range	Note
00 RLB1		000-255	R black 1 position adjustment
01 GLB1	140	000-255	G black 1 position adjustment
02 BLB1		000-255	B black 1 position adjustment
03 RLB2		000-255	R black 2 position adjustment
04 GLB2	118	000-255	G black 2 position adjustment
05 BLB2		000-255	B black 2 position adjustment
06 RLB1-MDL C128	128	000-255	R black 1 position adjustment (color temp.: middle)
07 BLB1-MDL C128	128	000-255	B black 1 position adjustment (color temp.: middle)
08 RLB1-MDL C128	128	000-255	R black 2 position adjustment (color temp.: middle)
09 BLB1-MDL C128	128	000-255	B black 2 position adjustment (color temp.: middle)
10 RLB1-LOW C128	128	000-255	R black 1 position adjustment (color temp.: low)
11 BLB1-LOW C128	128	000-255	B black 1 position adjustment (color temp.: low)
12 RLB2-LOW C128	128	000-255	R black 2 position adjustment (color temp.: low)
13 BLB2-LOW C128	128	000-255	B black 2 position adjustment (color temp.: low)

[DLAY ADJ] NVM SLAVE ADD. IIC1 (1/2)

Item	Type	Range	Note
00 DLYC	128	000-255	LCD driver sampling phase adjustment (common to RGB)
01 DLYR MAIN	055	000-255	R sampling phase main adjustment (offset)
02 INVR MAIN	001	000-255	R sampling phase inverted setting
03 DLYG MAIN	100	000-001	G sampling phase main adjustment (offset)
04 INVG MAIN	001	000-255	G sampling phase inverted setting
05 DLYB MAIN	065	000-001	B sampling phase main adjustment (offset)
06 INVB MAIN	001	000-001	B sampling phase inverted setting
07 DLYR-1180 C128	147	000-255	R sampling phase adj. by frequency dividing ratio (offset)
08 DLYR 1179-1120 C128	108	000-255	R sampling phase adj. by frequency dividing ratio (offset)
09 DLYR 1119-1080 C128	118	000-255	R sampling phase adj. by frequency dividing ratio (offset)
10 DLYR 1079-1040 C128	118	000-255	R sampling phase adj. by frequency dividing ratio (offset)
11 DLYR 1039-980 C128	128	000-255	R sampling phase adj. by frequency dividing ratio (offset)
12 DLYR 979-920 C128	133	000-255	R sampling phase adj. by frequency dividing ratio (offset)
13 DLYR 919-860 C128	158	000-255	R sampling phase adj. by frequency dividing ratio (offset)
14 DLYR 859-820 C128	158	000-255	R sampling phase adj. by frequency dividing ratio (offset)
15 DLYR 819-790 C128	168	000-255	R sampling phase adj. by frequency dividing ratio (offset)
16 DLYR 789-740 C128	121	000-255	R sampling phase adj. by frequency dividing ratio (offset)
17 DLYR 739-690 C128	138	000-255	R sampling phase adj. by frequency dividing ratio (offset)
18 DLYR 689- C128	088	000-255	R sampling phase adj. by frequency dividing ratio (offset)
19 INVR -1180 C128	000	000-001	R sampling phase inverted setting by frequency dividing ratio
20 INVR 1179-1120 C128	000	000-001	R sampling phase inverted setting by frequency dividing ratio
21 INVR 1119-1080 C128	000	000-001	R sampling phase inverted setting by frequency dividing ratio
22 INVR 1079-1040 C128	000	000-001	R sampling phase inverted setting by frequency dividing ratio
23 INVR 1039-980 C128	000	000-001	R sampling phase inverted setting by frequency dividing ratio
24 INVR 979-920 C128	000	000-001	R sampling phase inverted setting by frequency dividing ratio
25 INVR 919-860 C128	000	000-001	R sampling phase inverted setting by frequency dividing ratio
26 INVR 859-820 C128	000	000-001	R sampling phase inverted setting by frequency dividing ratio
27 INVR 819-790 C128	000	000-001	R sampling phase inverted setting by frequency dividing ratio
28 INVR 789-740 C128	000	000-001	R sampling phase inverted setting by frequency dividing ratio
29 INVR 739-690 C128	000	000-001	R sampling phase inverted setting by frequency dividing ratio
30 INVR 689- C128	001	000-001	R sampling phase inverted setting by frequency dividing ratio
31 DLYG -1180 C128	160	000-255	G sampling phase adj. by frequency dividing ratio (offset)
32 DLYG 1179-1120 C128	113	000-255	G sampling phase adj. by frequency dividing ratio (offset)
33 DLYG 1119-1080 C128	113	000-255	G sampling phase adj. by frequency dividing ratio (offset)
34 DLYG 1079-1040 C128	123	000-255	G sampling phase adj. by frequency dividing ratio (offset)
35 DLYG 1039-980 C128	128	000-255	G sampling phase adj. by frequency dividing ratio (offset)
36 DLYG 979-920 C128	128	000-255	G sampling phase adj. by frequency dividing ratio (offset)
37 DLYG 919-860 C128	172	000-255	G sampling phase adj. by frequency dividing ratio (offset)
38 DLYG 859-820 C128	191	000-255	G sampling phase adj. by frequency dividing ratio (offset)
39 DLYG 819-790 C128	183	000-255	G sampling phase adj. by frequency dividing ratio (offset)
40 DLYG 789-740 C128	153	000-255	G sampling phase adj. by frequency dividing ratio (offset)
41 DLYG 739-690 C128	163	000-255	G sampling phase adj. by frequency dividing ratio (offset)
42 DLYG 689-C128	088	000-255	G sampling phase adj. by frequency dividing ratio (offset)

[DLAY ADJ] NVM SLAVE ADD. [ ] IIC1 (2/2)

Item	Type	Range	Note
43 INVG -1180 C128	000	000-001	G sampling phase inverted setting by frequency dividing ratio
44 INVG 1179-1120 C128	000	000-001	G sampling phase inverted setting by frequency dividing ratio
45 INVG 1119-1080 C128	000	000-001	G sampling phase inverted setting by frequency dividing ratio
46 INVG 1079-1040 C128	000	000-001	G sampling phase inverted setting by frequency dividing ratio
47 INVG 1039-980 C128	000	000-001	G sampling phase inverted setting by frequency dividing ratio
48 INVG 979-920 C128	000	000-001	G sampling phase inverted setting by frequency dividing ratio
49 INVG 919-860 C128	000	000-001	G sampling phase inverted setting by frequency dividing ratio
50 INVG 859-820 C128	000	000-001	G sampling phase inverted setting by frequency dividing ratio
51 INVG 819-790 C128	000	000-001	G sampling phase inverted setting by frequency dividing ratio
52 INVG 789-740 C128	000	000-001	G sampling phase inverted setting by frequency dividing ratio
53 INVG 739-690 C128	000	000-001	G sampling phase inverted setting by frequency dividing ratio
54 INVG 689-C128	001	000-001	G sampling phase inverted setting by frequency dividing ratio
55 DLYB -1180 C128	127	000-255	B sampling phase adj. by frequency dividing ratio (offset)
56 DLYB 1179-1120 C128	118	000-255	B sampling phase adj. by frequency dividing ratio (offset)
57 DLYB1119-1080 C128	118	000-255	B sampling phase adj. by frequency dividing ratio (offset)
58 DLYB 1079-1040 C128	123	000-255	B sampling phase adj. by frequency dividing ratio (offset)
59 DLYB 1039-980 C128	128	000-255	B sampling phase adj. by frequency dividing ratio (offset)
60 DLYB 979-920 C128	143	000-255	B sampling phase adj. by frequency dividing ratio (offset)
61 DLYB 919-860 C128	173	000-255	B sampling phase adj. by frequency dividing ratio (offset)
62 DLYB 859-820 C128	193	000-255	B sampling phase adj. by frequency dividing ratio (offset)
63 DLYB 819-790 C128	195	000-255	B sampling phase adj. by frequency dividing ratio (offset)
64 DLYB 789-740 C128	140	000-255	B sampling phase adj. by frequency dividing ratio (offset)
65 DLYB 739-690 C128	178	000-255	B sampling phase adj. by frequency dividing ratio (offset)
66 DLYB 689- C128	113	000-255	B sampling phase inverted setting by frequency dividing ratio
67 INVB -1180 C128	000	000-001	B sampling phase inverted setting by frequency dividing ratio
68 INVB 1179-1120 C128	000	000-001	B sampling phase inverted setting by frequency dividing ratio
69 INVB 1119-1080 C128	000	000-001	B sampling phase inverted setting by frequency dividing ratio
70 INVB 1079-1040 C128	000	000-001	B sampling phase inverted setting by frequency dividing ratio
71 INVB 1039-980 C128	000	000-001	B sampling phase inverted setting by frequency dividing ratio
72 INVB 979-920 C128	000	000-001	B sampling phase inverted setting by frequency dividing ratio
73 INVB 919-860 C128	000	000-001	B sampling phase inverted setting by frequency dividing ratio
74 INVB 859-820 C128	000	000-001	Bsampling phase inverted setting by frequency dividing ratio
75 INVB 819-790 C128	000	000-001	B sampling phase inverted setting by frequency dividing ratio
76 INVB 789-740 C128	000	000-001	B sampling phase inverted setting by frequency dividing ratio
77 INVB 739-690 C128	000	000-001	B sampling phase inverted setting by frequency dividing ratio
78 INVB 689-C128	001	000-001	B sampling phase inverted setting by frequency dividing ratio

[VCOM] NVM SLAVE ADD. AE IIC1

Item	Type	Range	Note
00 SLFR	000	000-255	Signal inversion system setting
01 RVCM 55-64 CT	114	000-255	R-VCOM adjustment (fv:55Hz~64Hz)
02 GVCM 55-64 CT	114	000-255	G-VCOM adjustment (fv:55Hz~64Hz)
03 BVCM 55-64 CT	114	000-255	B-VCOM adjustment (fv:55Hz~64Hz)
04 RVCM -54 C128	128	000-255	R-VCOM adjustment (fv:<54Hz)
05 GVCM -54 C128	128	000-255	G-VCOM adjustment (fv:<54Hz)
06 BVCM -54 C128	128	000-255	B-VCOM adjustment (fv:<54Hz)
07 RVCM 65-77 C128	128	000-255	R-VCOM adjustment (fv:65Hz~77Hz)
08 GVCM 65-77 C128	128	000-255	G-VCOM adjustment (fv:65Hz~77Hz)
09 BVCM 65-77 C128	128	000-255	B-VCOM adjustment (fv:65Hz~77Hz)
10 RVCM 78- C128	128	000-255	R-VCOM adjustment (fv:>78Hz)
11 GVCM 78- C128	128	000-255	G-VCOM adjustment (fv:>78Hz)
12 BVCM 78- C128	128	000-255	B-VCOM adjustment (fv:>78Hz)

[SIGNAL CENT] NVM SLAVE ADD. [ ] IIC1

Item	Type	Range	Note
00 SIGC	193	000-255	Signal center adjustment (common to RGB)
01 RSSC	193	000-255	R signal center adjustment
02 GSSC	193	000-255	G signal center adjustment
03 BSSC	193	000-255	B signal center adjustment

[CXA3106] NVM SLAVE ADD. AE

Item	Type	Range	Note
00 VCOL	056	000-255	Feedback programmable counter (lower)
01 VCOH	005	000-015	Feedback programmable counter (higher)
02 DIV		000-003	VCO post-stage counter control
03 CODL	000	000-003	Higher delay line control
04 PPOL	001	000-001	Phase comparison input polarity setting
05 CPMP	002	000-003	Charge pump current DAC control
06 UNLO	001	000-001	Unlock output on/off setting
07 DSYN	001	000-001	Delay sync TTL output on/off setting
08 NCL2	000	000-001	Inverted 1/2 clock TTL output on/off setting
09 CL2	000	000-001	1/2 clock TTL output on/off setting
10 NCLK	000	000-001	Inverted clock TTL output on/off setting
11 CLK	001	000-001	Clock TTL output on/off setting
12 DSYP	000	000-001	Delay sync output polarity setting
13 SYP	001	000-001	Sync input polarity setting
14 DIVO	000	000-001	Programmable counter TTL output on/off setting
15 RPWR	000	000-001	Power on/off setting for register read function
16 SPWR	001	000-001	Power on/off setting for register data saving
17 VCOB	001	000-001	Programmable counter input selection setting
18 FIDL MAIN	012	000-031	Fine delay shift adjustment MAIN
19 FIDL -1180 C16	018	000-031	Fine delay shift adjustment DIV
20 FIDL 1179-1120 C16	016	000-031	Fine delay shift adjustment DIV
21 FIDL 1119-1080 C16	016	000-031	Fine delay shift adjustment DIV
22 FIDL 1079-1040 C16	016	000-031	Fine delay shift adjustment DIV
23 FIDL 1039-980 C16	016	000-031	Fine delay shift adjustment DIV
24 FIDL 979-920 C16	016	000-031	Fine delay shift adjustment DIV
25 FIDL 919-860 C16	017	000-031	Fine delay shift adjustment DIV
26 FIDL 859-820 C16	017	000-031	Fine delay shift adjustment DIV
27 FIDL 819-790 C16	017	000-031	Fine delay shift adjustment DIV
28 FIDL 789-740 C16	015	000-031	Fine delay shift adjustment DIV
29 FIDL 739-690 C16	015	000-031	Fine delay shift adjustment DIV
30 FIDL 689- C16	020	000-031	Fine delay shift adjustment DIV

[LAP] NVM SLAVE ADD. A0-AE IIC2

Item	Type	Range	Note
00 SIG			Input signal type
01 HSIZ	0	000-255	Horizontal conversion ratio 7-0bit
02 HSZH	1	000-015	Horizontal conversion ratio 11-8bit
03 VSIZ	0	000-255	Vertical conversion ratio 7-0bit
04 VSZH	1	000-015	Vertical conversion ratio 11-8bit
05 HPOB	135	000-255	HD POSITION BEGIN 7-0bit
06 HPOH	0	000-007	HD POSITION BEGIN 10-8bit
07 VPOB	127	000-255	VD POSITION BEGIN 7-0bit
08 VPOH	0	000-007	VD POSITION BEGIN 10-8bit
09 HPH0	1	003	H PHASE 1dot
10 HPHB	148	000-255	H PHASE BEGIN 7-0bit
11 HPHH	0	000-007	H PHASE BEGIN 10-8bit
12 VPHB	34	000-255	V PHASE BEGIN 7-0bit
13 VPHH	0	000-007	V PHASE BEGIN 10-8bit
14 PLLD	7	000-015	Input PLL fine delay adj.
15 PLLC	64	000-255	Input PLL clock frequency dividing ratio adj. 7-0bit
16 PLCH	5	000-007	Input PLL clock frequency dividing ratio adj. 10-8bit
17 CLPB	95	000-255	CLP BEGIN 7-0bit
18 CLPH	0	000-007	CLP BEGIN 10-8bit
19 HOF	0	000-255	Horizontal initial phase
20 VOF	0	000-255	Vertical initial phase
21 HCOR	4	000-007	Horizontal enhanced coring adjustment
22 HGAN	0	000-255	Horizontal enhanced gain adjustment
23 HLIM	1	000-007	Horizontal enhanced limiter
24 VCOR	4	000-007	Vertical enhanced coring adjustment
25 VGAN	0	000-255	Vertical enhanced gain adjustment
26 VLIM	0	000-007	Vertical enhanced limiter
27 XINT	1	003	Odd/even inversion
28 OACB	0	000-255	Output Active Begin
29 HLPF	0	006	LPF on/off at horizontal reduction
30 VLPF	0	002	LPF on/off at vertical reduction
31 HMOD	2	000-007	Horizontal conversion mode
32 VMOD	2	000-007	Vertical conversion mode
33 VFLAG	4	000-010	PLL VCO oscillating frequency setting

[UNIFORMITY1] NVM SLAVE ADD. A6 IIC1

Item	Type	Range	Note
00 LEFT1	127	000-255	Left side correction (G)
01 LEFT2	127	000-255	Left side correction (R)
02 RIGHT1	127	000-255	Right side correction (G)
03 RIGHT2	127	000-255	Right side correction (R)
04 BTM1	127	000-255	Bottom correction (G)
05 BTM2	127	000-255	Bottom correction (R)
06 TOP1	127	000-255	Top correction (G)
07 TOP2	127	000-255	Top correction (R)

[UNIFORMITY2] NVM SLAVE ADD. A6 IIC1

Item	Type	Range	Note
00 RTOP1	127	000-255	Upper right corner correction (G)
01 RTOP2	127	000-255	Upper right corner correction (R)
02 LTOP1	127	000-255	Upper left corner correction (G)
03 LTOP2	127	000-255	Upper left corner correction (G)
04 RBTM1	127	000-255	Lower right corner correction (G)
05 RBTM2	127	000-255	Lower right corner correction (R)
06 LBTM1	127	000-255	Lower left corner correction (G)
07 LBTM2	127	000-255	Lower left corner correction (R)

[UNIFORMITY3] NVM SLAVE ADD. A6 IIC1

Item	Type	Range	Note
00 UFON	001	000-001	Uniformity correction on/off setting
01 SINSEL	001	000-001	SIN/SAW correction selection of V frequency to G
02 SLICEO	010	000-255	Right side SAW wave slice level adjustment
03 SLICE1	010	000-255	Left side SAW wave slice level adjustment
04 SLICE2	010	000-255	Bottom SAW wave slice level adjustment
05 SLICE3	010	000-255	Top SAW wave slice level adjustment
06 HSIN1	127	000-255	H direction SIN wave adjustment (G)
07 HSIN2	127	000-255	H direction SIN wave adjustment (R)

[OPTION1] NVM SLAVE ADD. A0 IIC1

Item	Type	Range	Note
00 LANGUAGE	000	000-005	Language selection at factory setting
01 AUTO SHUTOFF	001	000-001	Auto shutoff setting (inputs except RGB)
02 AUTO SHUT RGB	000	000-001	Auto shutoff setting (RGB input)
03 TEST SIGNAL	000	000-011	Test signal
04 TSIG LEVEL	128	000-255	Test signal level
05 HD ON	000	000-001	HD input compatible/not compatible (soft only)
06 LAMP TIME	000	000-001	Lamp ON cumulative time
07 FILTER TIME			Filter timer cumulative time
08 FUN OFF	000	000-001	Fan stop time setting after lamp OFF
09 LAMP OFF	001	000-001	Lamp ON duration time setting after power OFF
10 3DON	001	000-001	3D-COMB through setting at NTSC3.58 input
11 DRC OFF	001	000-001	DRC setting at DRC OFF in menu
12 COL SEARCH	003	000-031	Crystal switching time setting at color judgment

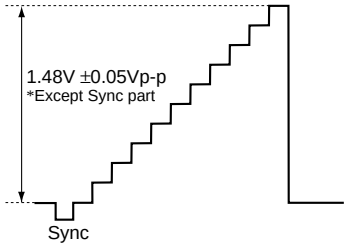
[OPTION2] NVM SLAVE ADD. AE IIC2

Item	Type	Range	Note
00 FHTL	005	000-015	fh judging error range
01 FVTL	009	000-015	fv judging error range
02 MINH	028	000-063	fh minimum frequency
03 MAXH	037	000-063	fh maximum frequency
04 MINV	018	000-031	fv minimum frequency
05 MAXV	018	000-031	fv maximum frequency
06 FHAG	008	000-015	Accord count of fh change detection
07 FVAG	008	000-015	Accord count of fv change detection
08 FHMJ	001	000-007	fh error range before signal judgment
09 FVMJ	002	000-007	fv error range before signal judgment
10 HV1	015	000-127	Scanning line judging threshold (-PC98)
11 HV2	015	000-127	Scanning line judging threshold (PC98-VGA)
12 HV3	015	000-127	S12 Scanning line judging threshold (VGA-SVGA)
13 HV4	015	000-127	Scanning line judging threshold (SVGA-MAC19)
14 HV5	015	000-127	Scanning line judging threshold (MAC19-XGA)
15 HV6	015	000-127	Scanning line judging threshold (XGA-SXGA864)

A BOARD ADJUSTMENT
Y-Level Adjustment

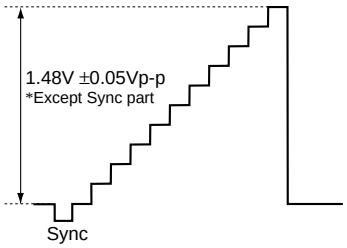
3D comb Y-level adjustment (RV2101)

1. Input NTSC 10 step signal.
2. Connect oscilloscope to TP2101.
3. Adjust with RV2101 so that the value becomes 1.48V ±0.05Vp-p.



Digital comb Y-level adjustment (RV2301)

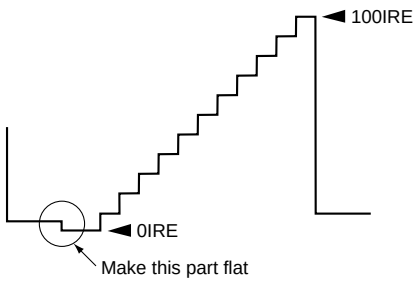
1. Input NTSC 10 step signal.
2. Connect oscilloscope to TP2301.
3. In the SERVICE mode, change ECBM of [TDA9143-1] to "1".
4. Adjust with RV2301 so that the value becomes 1.48V ±0.05Vp-p.



MCP Output Adjustment

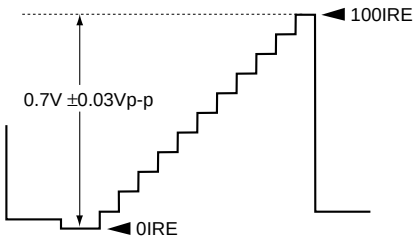
1. Green offset adjustment

1) Input 1Vpp of NTSC 10 step signal from Video input 1.
2) Connect oscilloscope to TP6002(G).
3) In the SERVICE mode, select SUB BRT OFFSET of [CXA2101-1] and adjust so that pedestal level and 0IRE level become equal.
4) save data.



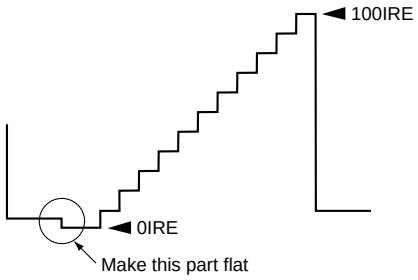
2. Green drive level adjustment

1) Input 1Vp-p of NTSC 10 step signal from Video input 1.
2) Connect oscilloscope to TP6002(G).
3) In the SERVICE mode, select G DRIVE of [CXA2101-1] and adjust so that the value becomes 0.7V ±0.03Vp-p.
4) save data.



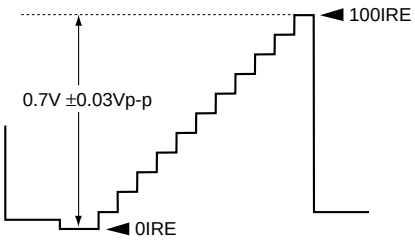
3. Blue offset adjustment

1) Input 1Vpp of NTSC 10 step signal from Video input 1.
2) Connect oscilloscope to TP6001(B).
3) In the SERVICE mode, select CB OFFSET1of [CXA2101-1] and adjust so that pedestal level and 0IRE level become equal.
4) save data.



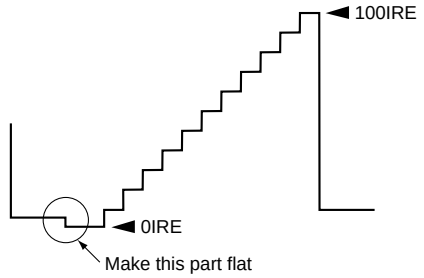
4. Blue drive level adjustment

1) Input 1Vpp of NTSC 10 step signal from Video input 1.
2) Connect oscilloscope to TP6001(B).
3) In the SERVICE mode, select B DRIVE of [CXA2101-1] and adjust so that the value becomes 0.7V ±0.03Vp-p.
4) Save data.



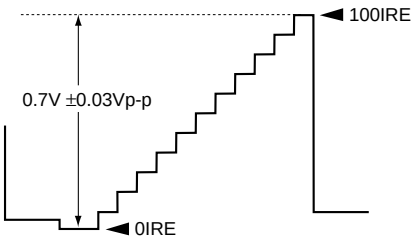
5. Red offset adjustment

   1) Input 1Vp-p of NTSC 10 step signal from Video input 1.
   2) Connect oscilloscope to TP6003(R).
   3) In the SERVICE mode, select CR OFFSET1 of [CXA2101-1] and adjust so that pedestal level and 0IRE level become equal.
   4) save data.



6. Red drive level adjustment

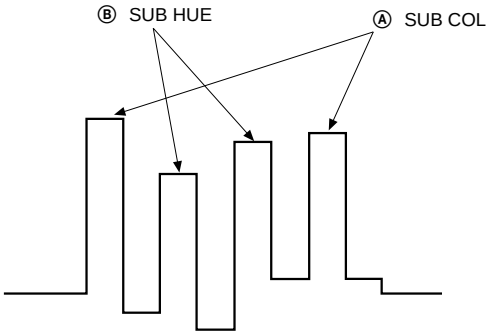
   1) Input 1Vpp of NTSC 10 step signal from Video input 1.
   2) Connect oscilloscope to TP6002(R).
   3) In the SERVICE mode, select R DRIVE of [CXA2101-1] and adjust so that the value becomes 0.7V ±0.03Vp-p.
   4) save data.



7. Turn off DRC.

HUE/Color adjustment

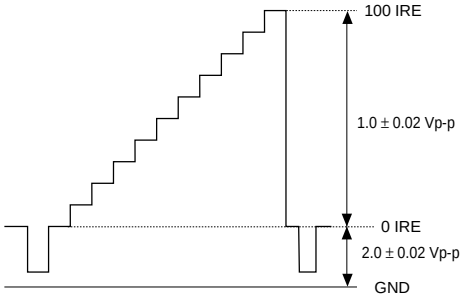
1. Input 1Vpp of NTSC color bar signal from Video input 1.
2. Connect oscilloscope to TP6001(B).
3. In the SERVICE mode, select SUB COL of [CXA2101-4] and adjust so that the peak level of two pulses Ⓐ becomes equal. In the same manner, select SUB HUE and adjust so that the peak level of two pulses Ⓑ becomes equal.
4. Adjust SUB COL and SUB HUE with keeping track.
5. Save data.
6. Adjust PAL, SECAM in the same way.



C BOARD ADJUSTMENT

IC level Adjustment

1) Input Video signal.
2) Enter the SERVICE mode.
3) Select 10-step signal at [OPTION1] “03” TEST SIGNAL.

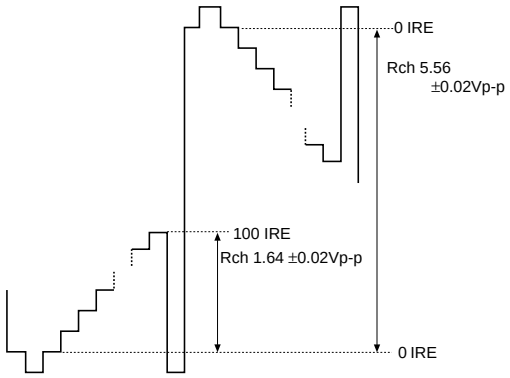


4) Connect oscilloscope to the check point for the input signal.
   R IN (CN5004 PIN ①)
   G IN (CN5004 PIN ③)
   B IN (CN5004 PIN ⑤)

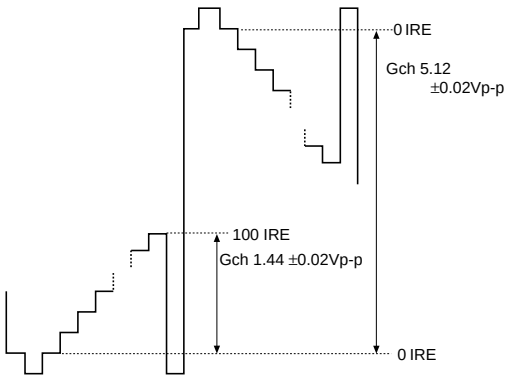
Adjust the input level every time when adjusting R, G, or B.

5) Take notes of data of [CXA2055-1] “00” SBRT and [CXA2055-2] “00” DRVL.
6) Make the pedestal level 2.0Vp-p with SBRT, then adjust to make the amplitude 1.0Vp-p with DRVL. At this time, adjust them with keeping track at SBRT and DRVL.
7) After adjusting, change back the data of SBRT and DRVL, then save them.

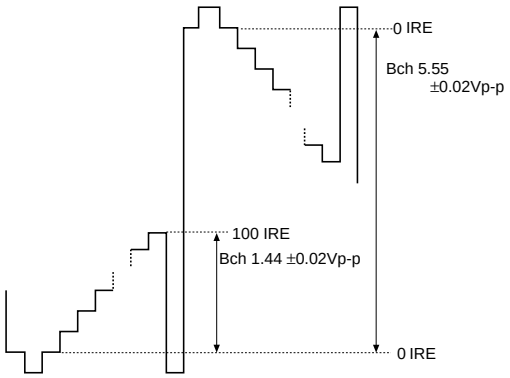
1. R channel
   1) Enter SERVICE mode, and change the data of [CXA2111] “25” GAMO from 0 to 1.
   2) Connect oscilloscope to TP5202 (C Board).
   3) In the SERVICE mode, select [M62370] “00” R GN, and adjust it so that 0IRE ~ 100IRE becomes 1.64 ±0.02Vp-p.
   4) In the SERVICE mode, select [M62370] “03” R BS, and adjust it so that the forward 0IRE ~ reverse 0IRE becomes 5.56 ±0.02Vp-p.
   5) Confirm that the amplitude of waveforms at TP5203 and TP5202 is within ±150mV by executing adjustment ③ and ④ again.
   6) Change back the data of [CXA2111] GAMO from 1 to 0 after adjusting, then save them.



2. G channel
   1) Enter SERVICE mode, and change the data of [CXA2111] “27” GAMO from 0 to 1.
   2) Connect oscilloscope to TP5402 (C Board).
   3) In the SERVICE mode, select [M62370] “01” G GN, and adjust it so that 0IRE ~ 100IRE becomes 1.44 ±0.02Vp-p.
   4) In the SERVICE mode, select [M62370] “04” G BS, and adjust it so that the forward 0IRE ~ reverse 0IRE becomes 5.12 ±0.02Vp-p.
   5) Confirm that the amplitude of waveforms at TP5403 and TP5402 is within ±150mV by executing adjustment ③ and ④ again.
   6) Change back the data of [CXA2111] GAMO from 1 to 0 after adjusting, then save them.

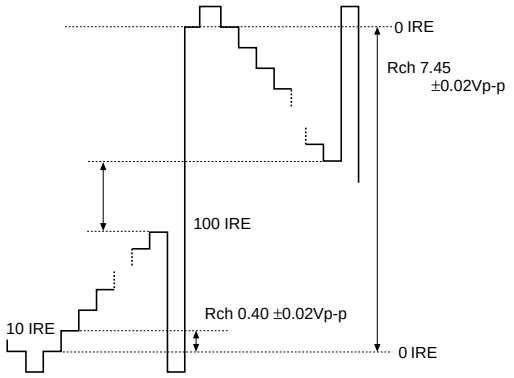


3. B channel
   1) Enter SERVICE mode, and change the data of [CXA2111] "27" GAMO from 0 to 1.
   2) Connect oscilloscope to TP5602 (C Board).
   3) In the SERVICE mode, select [M62370] "02" B GN, and adjust it so that 0IRE ~ 100IRE becomes 1.44 ±0.02Vp-p.
   4) In the SERVICE mode, select [M62370] "05" B BS, and adjust it so that the forward 0IRE ~ reverse 0IRE becomes 5.55 ±0.02Vp-p.
   5) Confirm that the amplitude of waveforms at TP5603 and TP5602 is within ±150mV by executing adjustment ③ and ④ again.
   6) Change back the data of [CXA2111] GAMO from 1 to 0 after adjusting, then save them.

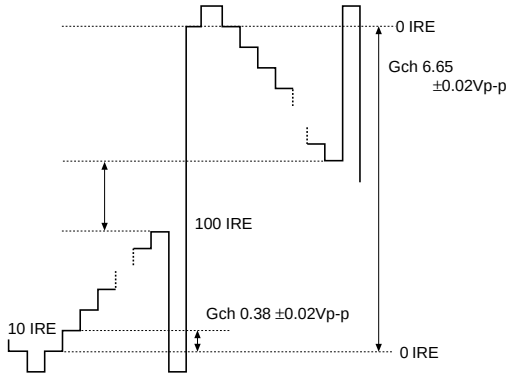


γ Curve Adjustment

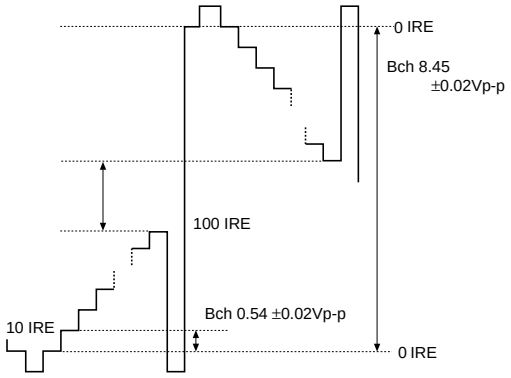
1. R channel
   1) Enter SERVICE mode.
   2) Connect oscilloscope to TP5202 (C Board).
   3) In the SERVICE mode, set the value of [µPD6221-94] "00" RLB1 to 144, and value of "03" RLB2 to 255.
   4) In the SERVICE mode, select [M62370] "12" RLG1, and adjust it so that 0IRE ~ 100IRE becomes 0.4 ±0.02Vp-p.
   5) In the SERVICE mode, select [µPD6221-94] "00" RLB1, and adjust it so that the forward 0IRE ~ reverse 0IRE becomes 7.45 ±0.02Vp-p.
   6) Change back the data of [µPD6221-94] "03" RLB2 as it used to be, then save them.



2. G channel
   1) Enter SERVICE mode.
   2) Connect oscilloscope to TP5402 (C Board).
   3) In the SERVICRE mode,set the value of [µPD6221-94] "01" GLB1 to 144, and value of "04" GLB2 to 255.
   4) In the SERVICE mode, select [M62370] "13" GLG1, and adjust it so that 0IRE ~ 100IRE becomes 0.38 ±0.02Vp-p.
   5) In the SERVICE mode, select [µPD6221-94] "01" RLB1, and adjust it so that the forward 0IRE ~ reverse 0IRE becomes 6.65 ±0.02Vp-p.
   6) Change back the data of [µPD6221-94] "04" RLB2 as it used to be, and save them.



3. B channel
   1) Enter SERVICE mode.
   2) Connect oscilloscope to TP5602 (C Board).
   3) In the SERVICRE mode, set the value of [µPD6221-94] "02" BLB1 to 144, and value of "05" BLB2 to 255.
   4) In the SERVICE mode, select [M62370] "14" BLG1, and adjust it so that 0IRE ~ 100IRE becomes 0.54 ±0.02Vp-p.
   5) In the SERVICE mode, select [µPD6221-94] "02" BLB1, and adjust it so that the forward 0IRE ~ reverse 0IRE becomes 8.45 ±0.02Vp-p.
   6) Change back the data of [µPD6221-94] "05" BLB2 as it used to be, then save them.



V com Adjustment

1) Input Video signal.
2) Enter SERVICE mode.
3) Select 50IRE from the test pattern at [OPTION1] “03” TEST SIGNAL.
4) Measure voltage at TP5202 and JL5203 (land).
5) Adjust [CXA1875-42] “01” RVCM so that voltage of TP5202 - JL5203 becomes 0.2V.
6) Measure voltage at TP5402 and JL5404.
7) Adjust [CXA1875-42] “02” GVCM so that voltage of TP5402 - JL5404 becomes 0.2V.
8) Measure voltage at TP5602 and JL5603.
9) Adjust [CXA1875-42] “03” BVCM so that voltage of TP5602 - JL5603 becomes 0.2V.
10) Save data after adjusting.

SIG Center 2 Adjustment

1) Input Video signal.
2) Enter SERVICE mode.
3) Select 50IRE from the test pattern at [OPTION1] “03” TEST SIGNAL.
4) Measure voltage at TP5202 and TP5203.
5) Adjust [µPD6221-96] “01” RSSC so that voltage of TP5202 - TP5203 becomes 0.
6) Measure voltage at TP5402 and TP5403.
7) Adjust [µPD6221-96] “02” GSSC so that voltage of TP5402 - TP5403 becomes 0.
8) Measure voltage at TP5602 and TP5603.
9) Adjust [µPD6221-96] “03” BSSC so that voltage of TP5602 - TP5603 becomes 0.
10) Save data after adjusting.

Dot Phase Adjustment (1)

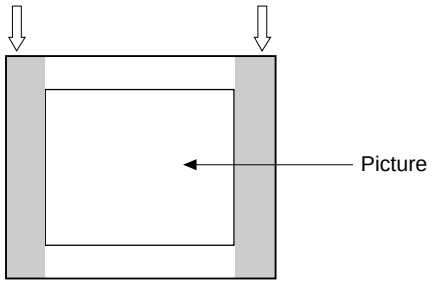
1) SERVICE mode: With [OPTION 1] “03” TEST SIGNAL, set to 003:1 ON 1 OFF to generate vertically-striped patterns.
2) With [CXA3106] “22” FIDL XGA60, adjust to the condition where horizontal black noise on the screen is worst in the data range of 0~15. Shift the data to “saved data” = “adjusted data”+8 when data are 0 to 11, or “saved data” = “adjusted data” –8 when data are 12 to 15. Then, save the shifted data in the memory.
3) Display the screen with the shifted data.
4) With [µPD6221-96] “04” DLCM, adjust so that horizontal noise does not appear on the screen, then save the median data.
5) Release the SERVICE mode.

Dot Phase Adjustment (2)

1) Enter XGA60 vertical stripe 1 ON 1 OFF signal.
2) In the SERVICE mode, with [LAP] “14” PLLD, adjust so that horizontal noise does not appear.
3) Entering the green single color signal, confirm that no noise appears.
   If noise appears, again perform dot phase adjustment (1) [µPD6221-96] “04” DLCM or dot phase adjustment (2) [LAP] “14” PLLD, then save the data.
4) Entering the red single color signal, with [µPD6221-96] “05” DLSR, adjust so that horizontal noise does not appear.
5) Entering the blue single color signal, with [µPD6221-96] “06” DLSB, adjust so that horizontal noise does not appear.
6) Entering R,G,B all color signals, make sure that horizontal noise does not appear.

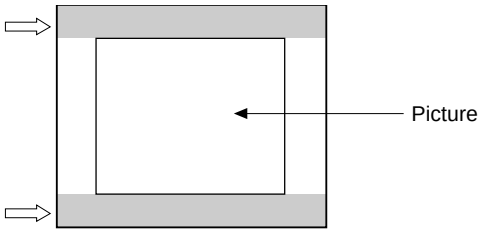
Optical Image Center Adjustment

1) Enter XGA60 optional signal to the RGB1 input terminal.
2) Check if the blanking frame is within the specification.
   [Horizontal blanking]



   [Specification of blanking frame]
   Left, right: 6.0 ±3.0 mm
3) If out of the specification, loosen the lens fixing screw of the optical block and adjust horizontal adjusting screws to balance the horizontal position.
   After tightening the fixing screw, the specification must be satisfied.

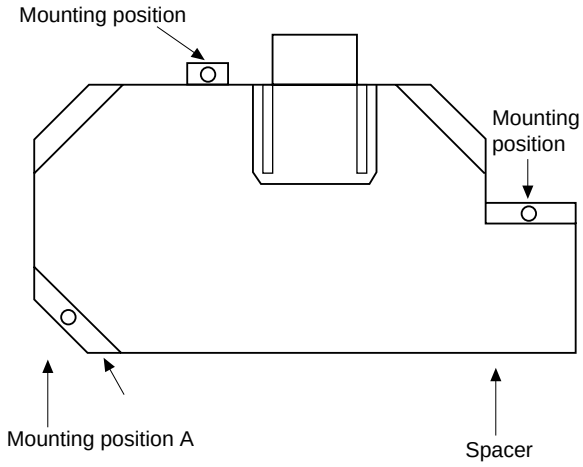
4) If vertical blanking frame is out of the specification in 3), loosen the screw at the mounting position A and insert an optical unit spacer under the optical unit.
[Vertical blanking]



[Specification of blanking frame]
Top, bottom: 6.0 ±3.0 mm

5) After tightening the screw at the mounting position A, the specification must be satisfied.

[Washer mounting positions]
Optical unit



Black Level Adjustment

1) Perform aging for more than 25 minutes.
2) Enter Green 100% signal from the RGB1 input terminal.
3) [VIDEO ADJ] “00” USER CONTRAST = 100
[VIDEO ADJ] “01” USER BRIGHT = 100
[VIDEO ADJ] “07” USER COL TEMP = 0
4) Using the chrominance meter (CS100), measure the brightness
(L MAX.) at the center of screen.
5) Set [VIDEO ADJ] “01” USER BRIGHT = 50.
6) Enter Green 25% signal.
7 With [CXA2055-1] SBRT, adjust so that the brightness (L CUT) at the center of screen approximates most to the following:
(L CUT) = 0.028((L MAX)

White Level Adjustment

1) With the black level already adjusted, enter Green 90% signal.
2) With [CXA2055-2] “00” DRVL, adjust so that the brightness (L WHT) at the center of screen approximates most to (L WHT) = 0.87(L MAX).

Data Saving

1) Save SBRT data in both RGB VIDEO and COMPONENT memories.
2) Save DRVL data in both RGB VIDEO and COMPONENT memories.

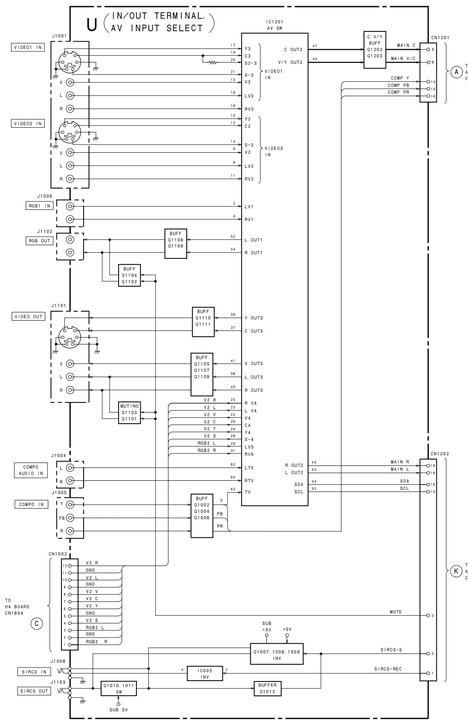
RGB White Balance Adjustment

- RGB “High” 9300K

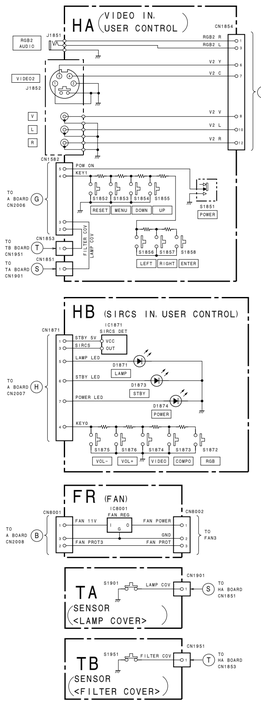
1) Set the following conditions.
[VIDEO ADJ] “00” USER CONTRAST = 100
[VIDEO ADJ] “01” USER BRIGHT = 50
[VIDEO ADJ] “07” USER COL TEMP = 0
[µPD6221-94] RLB1, GLB1, BLB1 = 128
[µPD6221-94] RLB2, GLB2, BLB2 = 128
2) Enter 40% flat field signal to the RGB1 input terminal, and with the service data [CXA2055-1] “01” RCUT and “03” BCUT, adjust so as to attain the best position.
In such a case, start adjustment from RCUT=100 and BCUT=100.
(GCUT is fixed to 128)
3) Enter 70% flat field signal to the RGB1 input terminal, and with the service data [CXA2055-2] “02” RDRV and “03” BDRV, adjust so as to attain the best position.
In such a case, start adjustment from RDRV=100 and BDRV=100.
4) Repeating steps 2) and 3), adjust tracking so that both 40% and 70% signals satisfy respective specifications.
5) Enter 30% flat field signal to the RGB1 input terminal, and with the service data [µPD6221-94] “00” RLB1 and “02” BLB1, adjust so as to approximate most to the adjustment center position.
In such a case, for “01” GLB1, read and set board adjustment data, and start adjustment from RLB1=100 and BLB1=100.
6) Enter 10% flat field signal to the RGB1 input terminal, and with the service data [µPD6221-94] “03” RLB2 and “05” BLB2, adjust so as to approximate most to the adjustment center position.
In such a case, for “04” GLB2, read and set board adjustment data, and start adjustment from RLB2=100 and BLB2=100.
7) Adjustment data
Save RCUT, BCUT, RDRV, BDRV, RLB1, BLB1, RLB2, BLB2 data in each area of RGB, VIDEO, and COMPONENT.
Save the same data in each area of NTSC, HD, DVD, and AV MULTI.
8) Enter the 10 STEP signal to the RGB input terminal, and confirm on the screen that the color in each step of 0~100 IRE is homogeneous and no local different color is found.

SECTION 5
DIAGRAMS

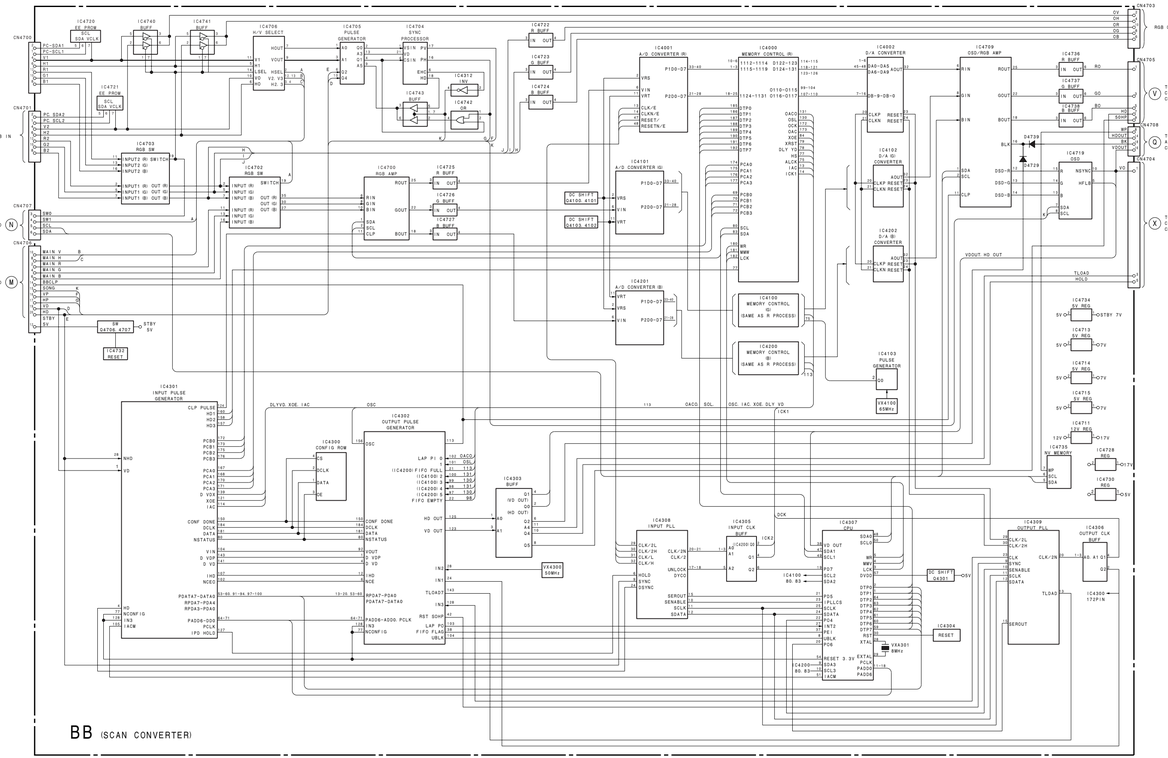
5-1. BLOCK DIAGRAMS



KL-X9200M/X9200U
RM-902

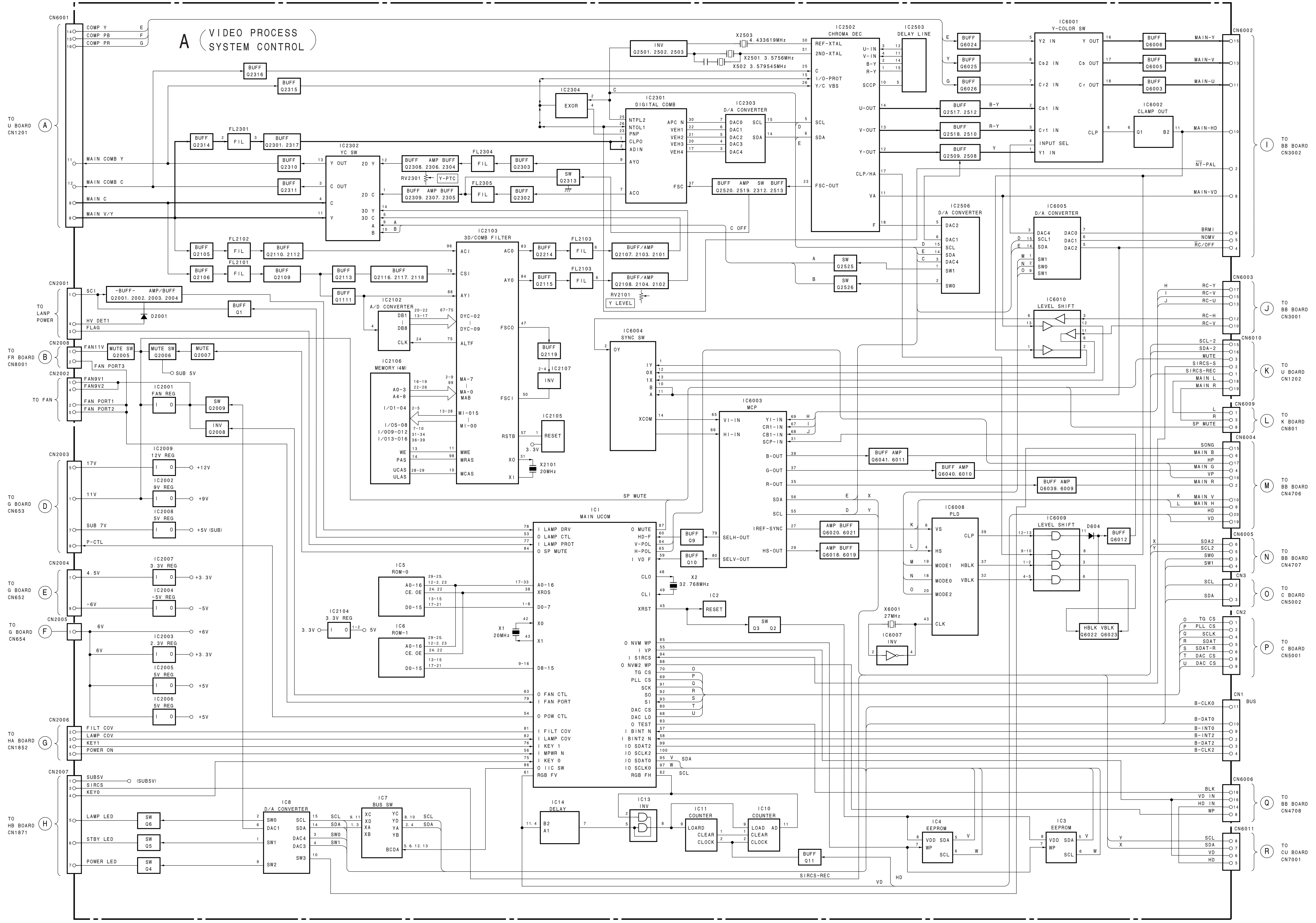


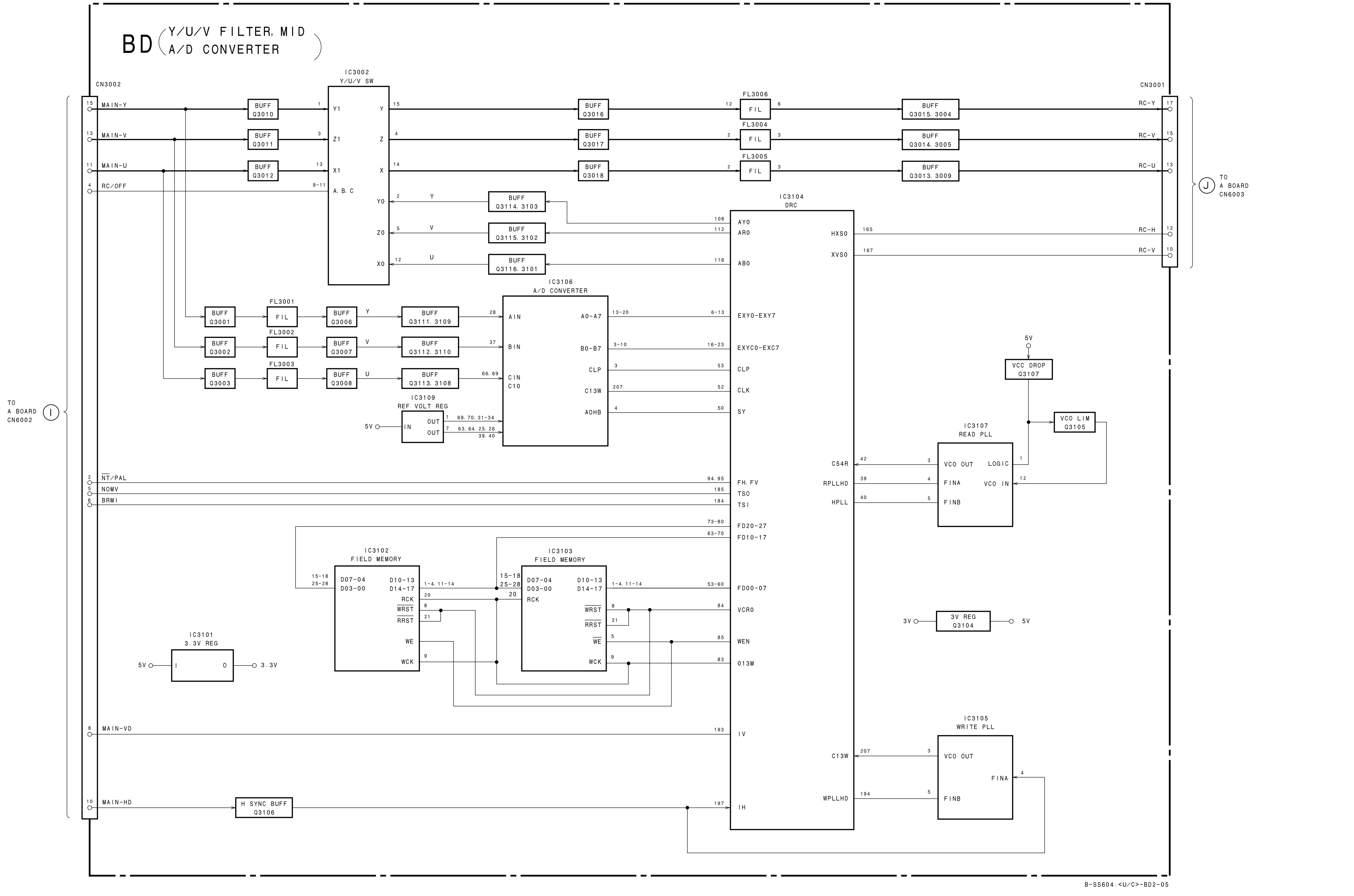
KL-X9200M/X9200U
RM-902



KL-X9200M/X9200U
RM-902

KL-X9200M/X9200U
RM-902

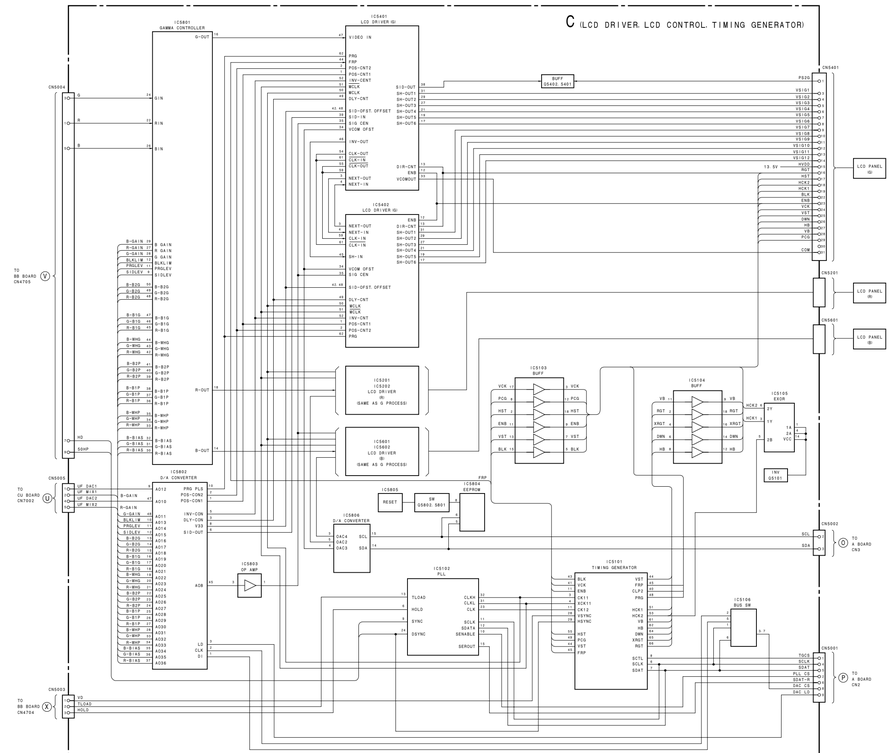




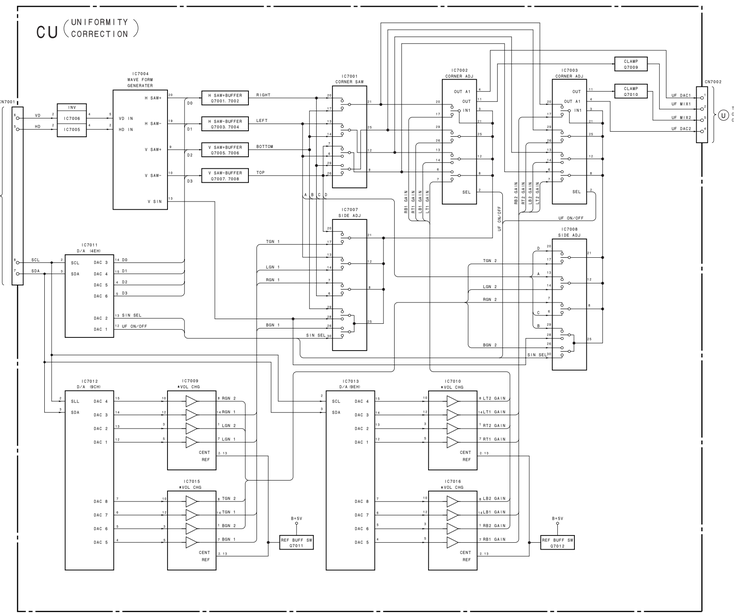
KL-X9200M/X9200U
RM-902

KL-X9200M/X9200U
RM-902

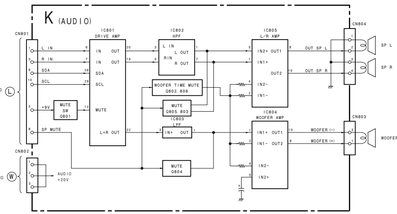
C (LCD DRIVER, LCD CONTROL, TIMING GENERATOR)



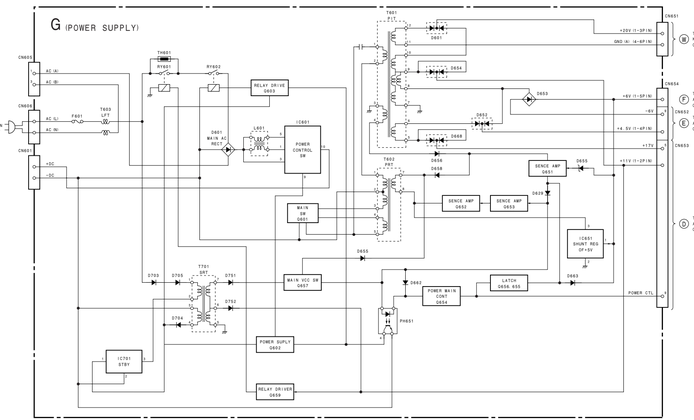
CU (UNIFORMITY CORRECTION)



K (AUDIO)

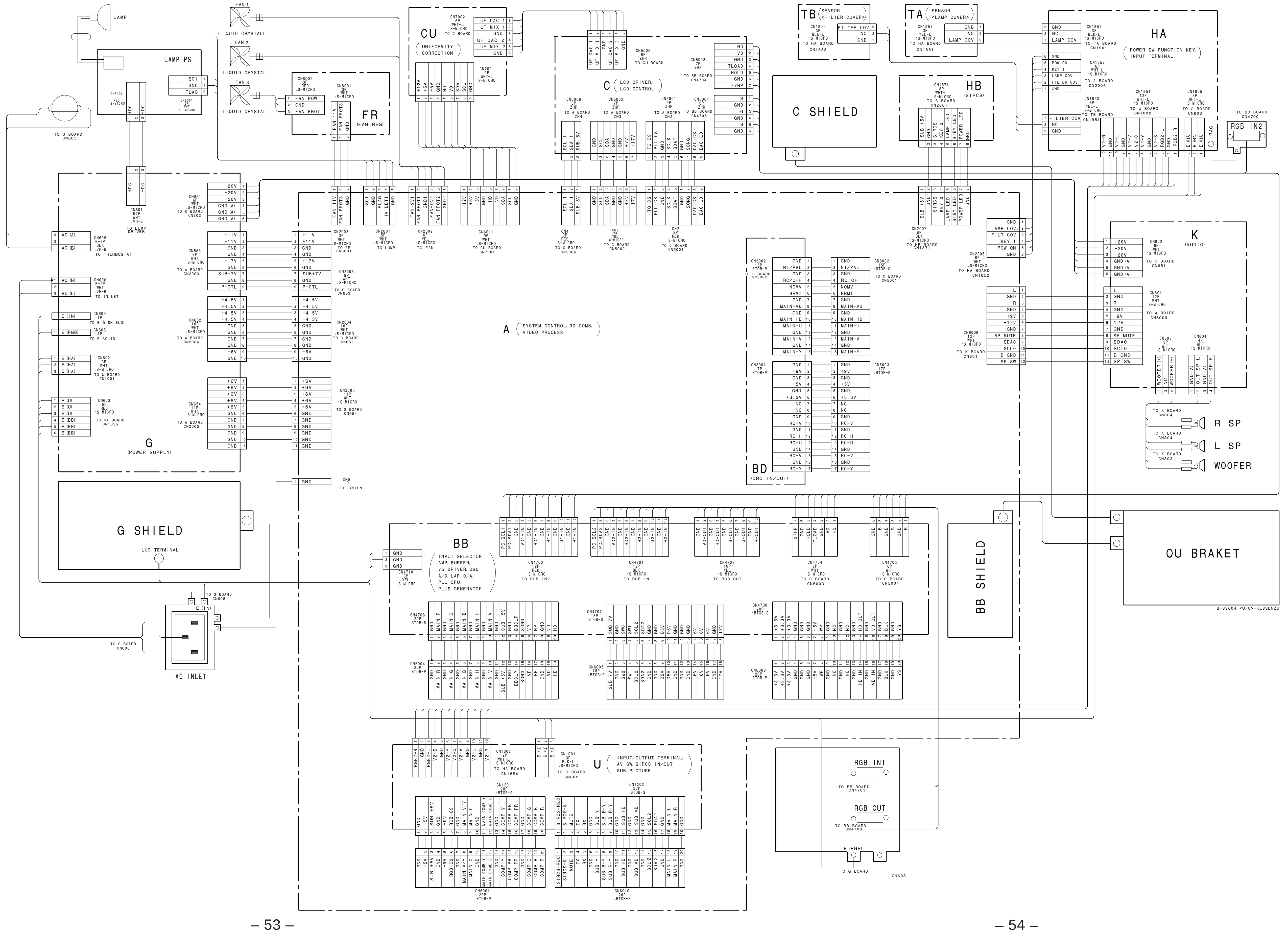


G (POWER SUPPLY)



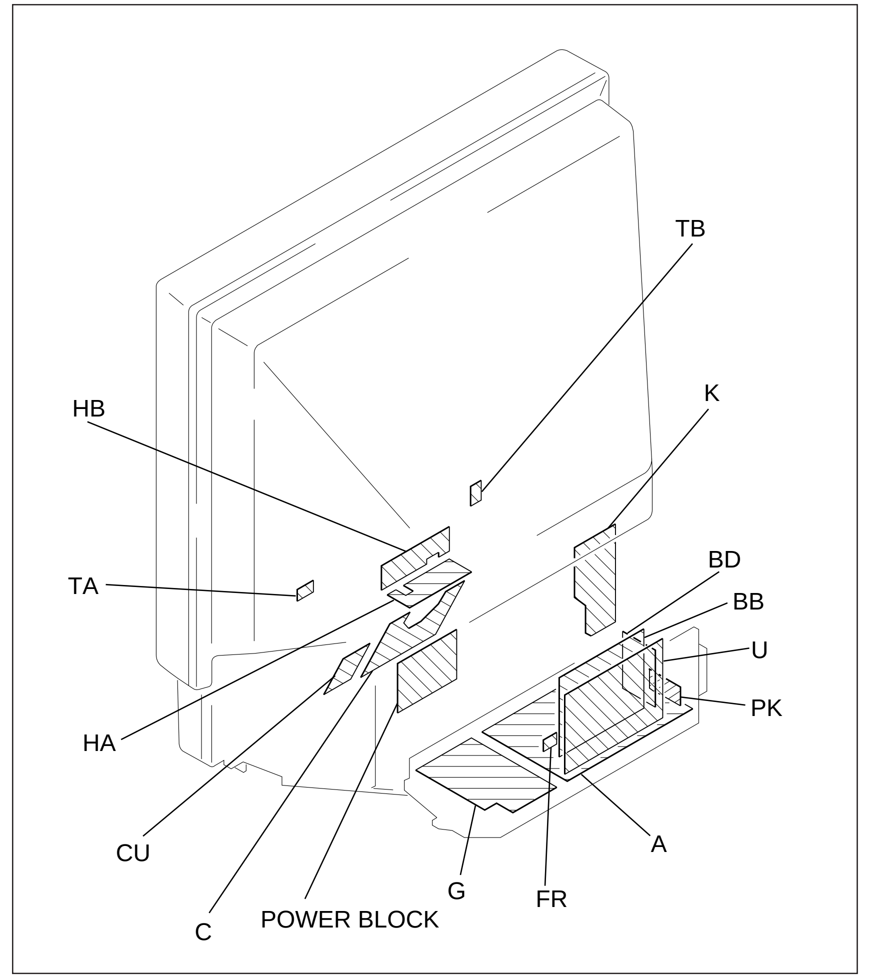
KL-X9200M/X9200U
RM-902

5-2. FRAME SCHEMATIC DIAGRAMS



KL-X9200M/X9200U
RM-902
KL-X9200M/X9200U
RM-902

5-3. CIRCUIT BOARDS LOCATION



5-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in µF unless otherwise noted. (pF: µµF) Capacitors without voltage indication are all 50 V.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm Rating electrical power 1/4 W (CHIP : 1/10 W)

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- △ : internal component.
- : panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : earth-ground.
- : earth-chassis.
- All voltages are in V.
- Readings are taken with a 10 M digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
  - ∗ : Can not be measured.
  - ( ) : SECAM
  - no mark : except SECAM
- Circled numbers are waveform references.
- : B + bus.
- : B – bus.
- ⇨ : Signal path.

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

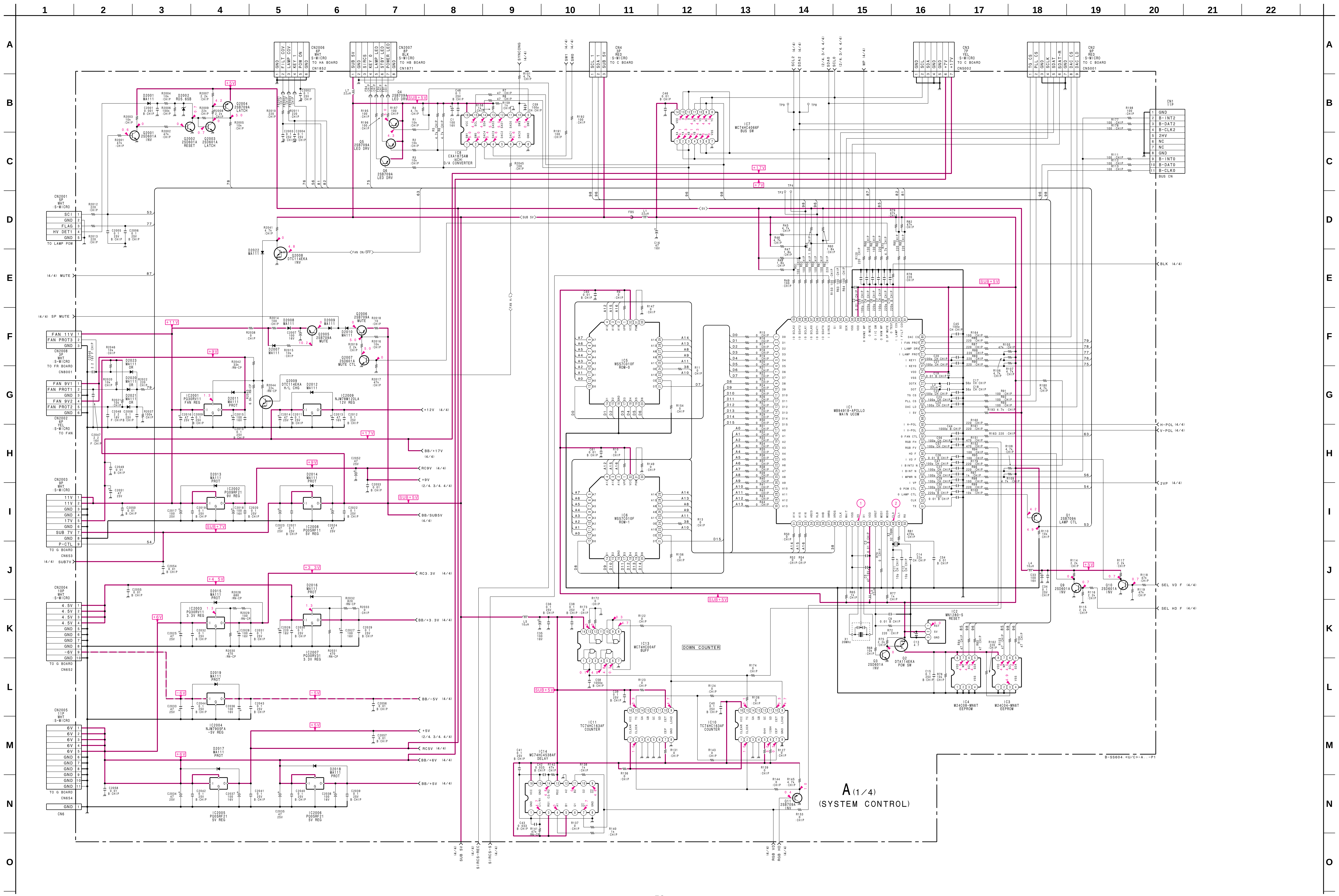
Note: Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Terminal name of semiconductors in silk screen printed circuit (∗)

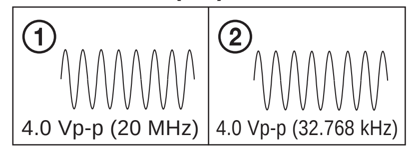
	Device	Printed symbol	Terminal name	Circuit
①	Transistor		Collector / Base Emitter	
②	Transistor		Collector / Base Emitter	
③	Diode		Cathode Anode	
④	Diode		Cathode / Anode (NC)	
⑤	Diode		Cathode / Anode (NC)	
⑥	Diode		Common / Anode Cathode	
⑦	Diode		Common / Anode Cathode	
⑧	Diode		Common / Anode Anode	
⑨	Diode		Common / Anode Anode	
⑩	Diode		Common / Cathode Cathode	
⑪	Diode		Common / Cathode Cathode	
⑫	Diode		Anode Anode Cathode / Cathode Anode Anode	
⑬	Transistor (FET)		Drain / Source Gate	D G S
⑭	Transistor (FET)		Drain / Source Gate	
⑮	Transistor (FET)		□ Source □ Drain □ Gate	D G S
⑯	Transistor		□ Emitter □ Collector □ Base	
⑰	Transistor		C2 B1 E1 / E2 B2 C1	C1 C2 B1 B2 E1 E2
⑱	Transistor		C1 B2 E2 / E1 B1 C2	C1 C2 B1 B2 E1 E2
⑲	Transistor		C1 B2 E2 / E1 B1 C2	
⑳	Transistor		C1 B2 E2 / E1 B1 C2	E1 E2 B1 B2 C1 C2
㉑	Transistor		E2 B1 E1 / C2 C1(B2)	C1(B2) C2 B1 E2 E2
㉒	Transistor		(B2) B1 E1 E2 / C1 C2	E1(B2) E2 B1 C1 C2
㉓	Transistor		(B2) E2 E1 B1 / C2 C1	E1(B2) C2 B1 C1 C2
㉔	Transistor		E2 E1 B1 / C2 C1	E B1 B2
–	Discrete semiconductot			

(Chip semiconductors that are not actually used are included.) Ver.1.6

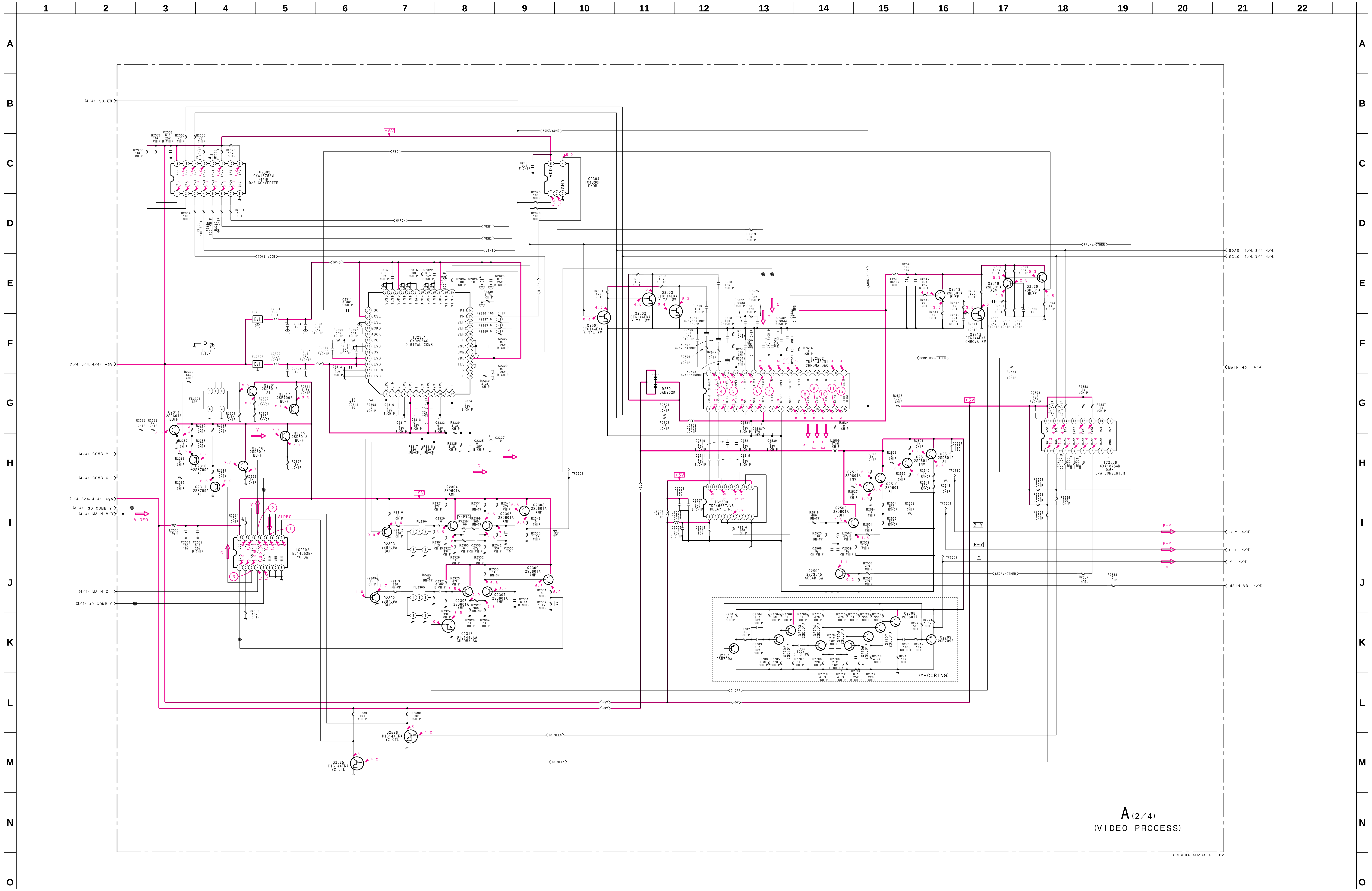
(1) Schematic Diagram of A Board (1/4)



• A BOARD (1/4) WAVEFORMS



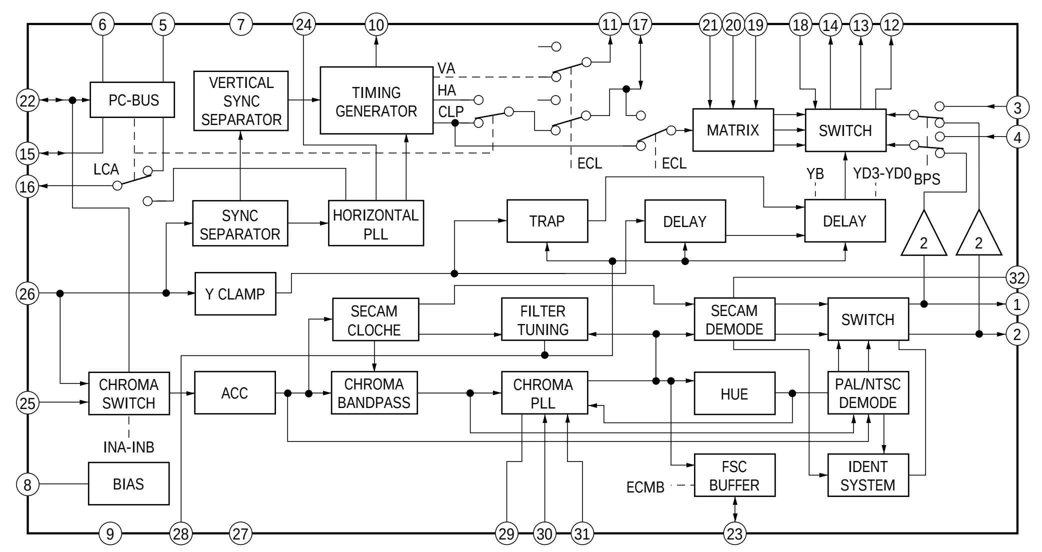
(2) Schematic Diagram of A Board (2/4)



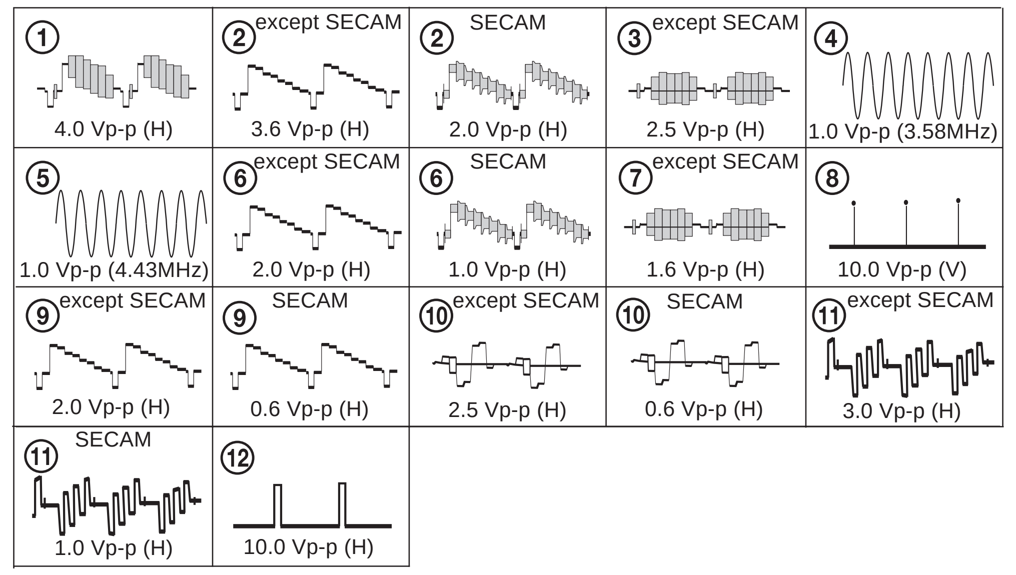
Schematic diagram
← A board (1/4)

Schematic diagram
A board (2/4) →

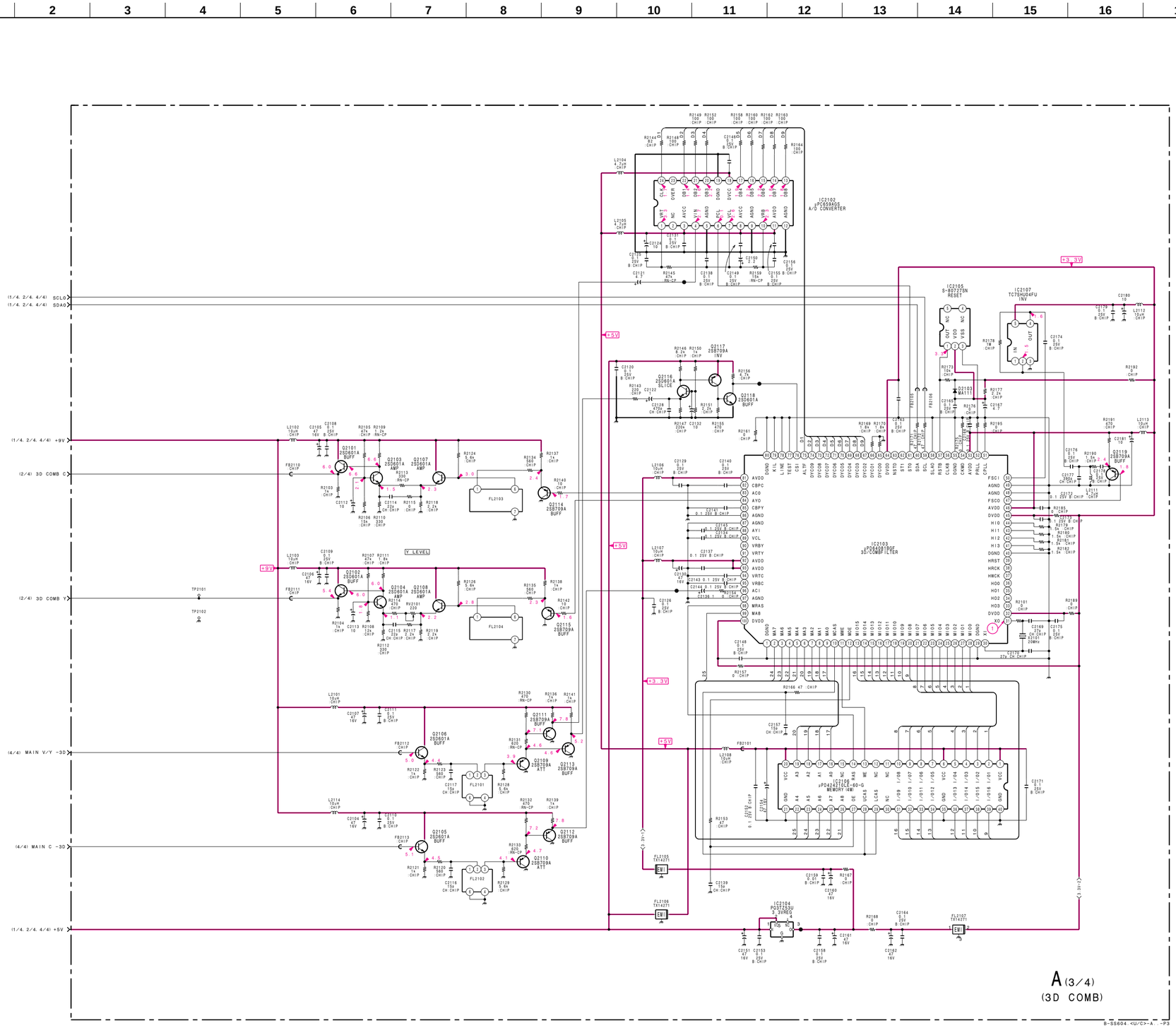
• A BOARD (2/4)
IC2502 TDA9143/N1



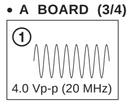
• A BOARD (2/4) WAVEFORMS



(3) Schematic Diagram of A Board (3/4)



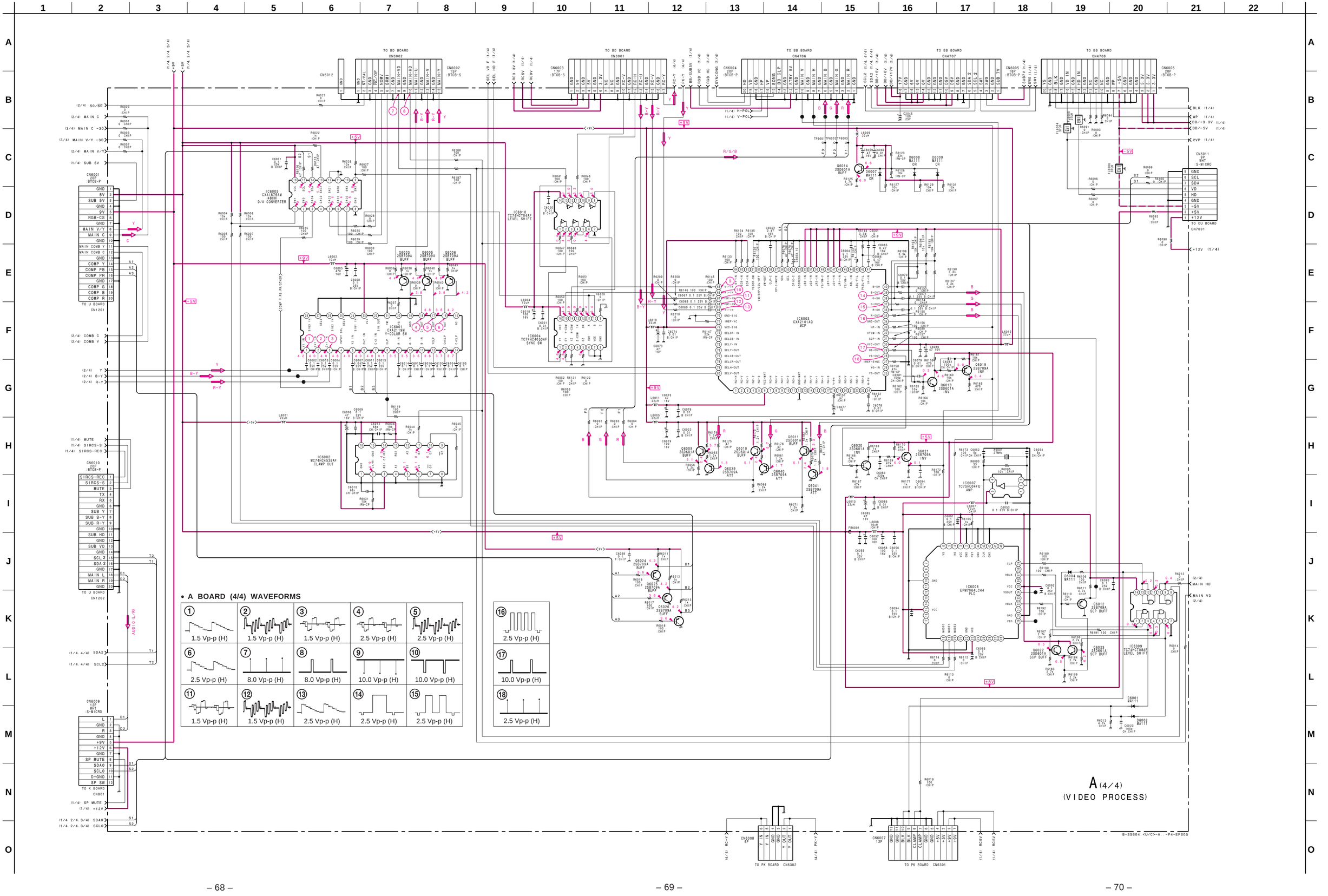
• A BOARD (3/4) WAVEFORMS



Schematic diagram
← A board (3/4)

Schematic diagram
A board (4/4) →

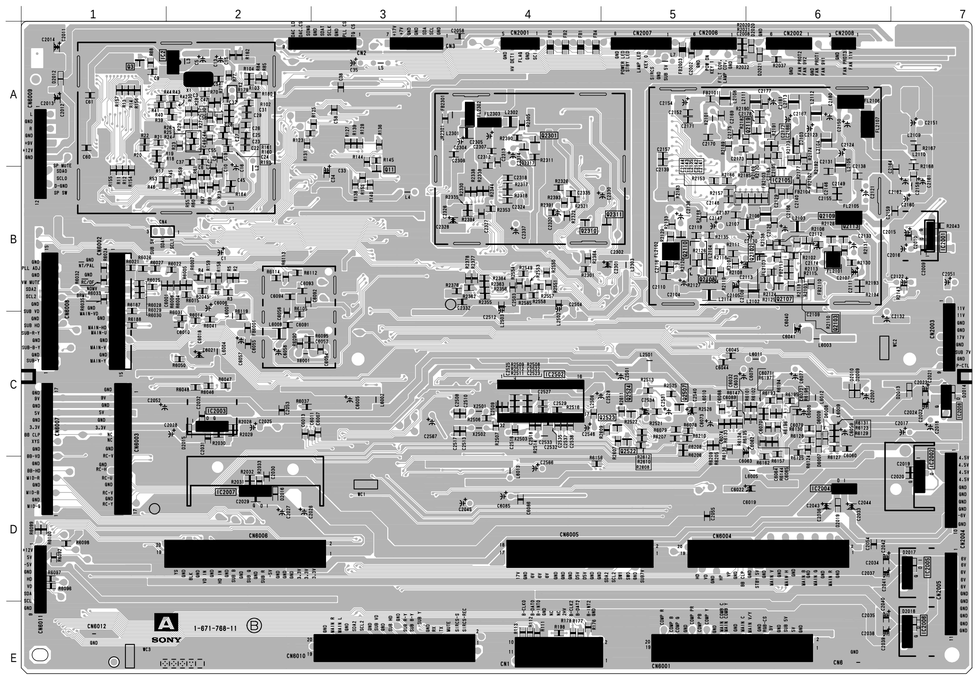
(4) Schematic Diagram of A Board (4/4)



KL-X9200M/X9200U
RM-902

A SYSTEM CONTROL, 3D COMB, VIDEO PROCESS

— A BOARD (Conductor Side) —



• A BOARD SEMICONDUCTOR LOCATION

IC

	(Conductor Side)	(Component Side)
IC2001	B–7	B–1
IC2002	D–7	D–1
IC2003	C–2	C–6
IC2004	D–6	D–1
IC2005	D–7	D–1
IC2006	E–7	E–1
IC2007	D–2	D–6
IC2008	C–7	C–1
IC2009		A–7
IC2102		B–2
IC2103		B–2
IC2104		A–1
IC2105	B–6	
IC2106		A–2
IC2107		A–2
IC2301		B–4
IC2302		B–3
IC2303		B–4
IC2304		B–4
IC2502	C–4	C–3
IC2503		C–3
IC2506		B–3
IC6001		C–5
IC6002		C–6
IC6003		C–2
IC6004		C–6
IC6005		B–6
IC6007		C–5
IC6008		B–5
IC6009		B–5
IC6010		C–6

TRANSISTOR

	(Conductor Side)	(Component Side) *	
Q1		A–5	②
Q2		A–6	②
Q3	A–1		①
Q4		B–6	②
Q5		B–6	②
Q6		B–6	②
Q9		B–5	②
Q10		B–5	①
Q11	B–3		①
Q2001		A–3	②
Q2002		A–4	②
Q2003		A–4	②
Q2004		A–4	①
Q2005		C–1	②
Q2006		C–1	②
Q2007		C–1	②
Q2008		A–1	②
Q2009		B–1	②
Q2101		B–2	②
Q2102	B–6		①
Q2103	B–6		①
Q2104		B–2	②
Q2105		B–3	②
Q2106		B–2	②
Q2107	B–6		①
Q2108	B–5		①
Q2109	B–6		①
Q2110	B–5		①
Q2111		B–1	②
Q2112		B–3	②
Q2113	B–6		①
Q2114		B–2	②
Q2115		B–2	②
Q2116		B–1	②
Q2117		B–1	②
Q2118		B–1	②
Q2119	A–6		①
Q2301	A–4		①
Q2302		B–4	②
Q2303		B–4	②
Q2304		B–3	②
Q2305		B–3	②
Q2306		B–3	②
Q2307		A–3	②
Q2308		A–3	②
Q2309		A–3	②
Q2310	B–4		①
Q2311	B–5		①
Q2312		C–3	②
Q2313		A–3	②
Q2314		A–4	②
Q2315		B–3	②
Q2316		B–3	①
Q2317	A–4		①
Q2501		C–4	②
Q2502		C–4	②
Q2503		C–4	②
Q2508		C–4	②
Q2509		C–4	②
Q2510		C–4	②
Q2512		C–4	②
Q2513		C–3	②
Q2517		C–4	②
Q2518		C–4	②
Q2519		B–3	②
Q2520		C–3	②
Q2525		B–4	②
Q2526		B–3	②
Q2701		C–5	②
Q2702		C–4	②
Q2703		C–4	②
Q2704		D–4	②
Q2705		D–4	②
Q2706		D–5	②
Q2707		D–4	②
Q2708		D–4	②
Q2709		C–5	②
Q6003		C–5	②
Q6005		C–5	②
Q6006		C–5	②
Q6009		D–2	②
Q6010		D–2	②
Q6011		D–2	②
Q6012		C–5	②
Q6014		D–1	②
Q6018		D–3	②
Q6019		D–3	②
Q6020		D–3	②
Q6021		D–4	②
Q6022		B–5	②
Q6023		B–5	②
Q6024		C–5	②
Q6025		C–5	②
Q6026		C–5	②
Q6039		D–2	②
Q6040		D–2	②
Q6041		D–2	②

DIODE

	(Conductor Side)	(Component Side) *	
D2001		A–4	⑦
D2002		A–3	⑤
D2007		C–1	⑤
D2008		C–1	⑤
D2009	C–6		⑤
D2010	C–6		⑤
D2011		B–1	⑤
D2012	A–1		⑤
D2013	C–7		⑤
D2014	C–7		⑤
D2015	C–2		⑤
D2016	D–2		⑤
D2017	D–7		⑤
D2018	E–7		3
D2019	D–6		⑤
D2020	A–6		⑤
D2021	A–6		⑤
D2022		A–1	⑤
D2023		A–1	⑤
D2103	A–6		⑤
D2501		C–3	⑤
D6004		C–5	⑤
D6007	C–6		⑤
D6008	C–6		⑤
D6009	C–6		⑤

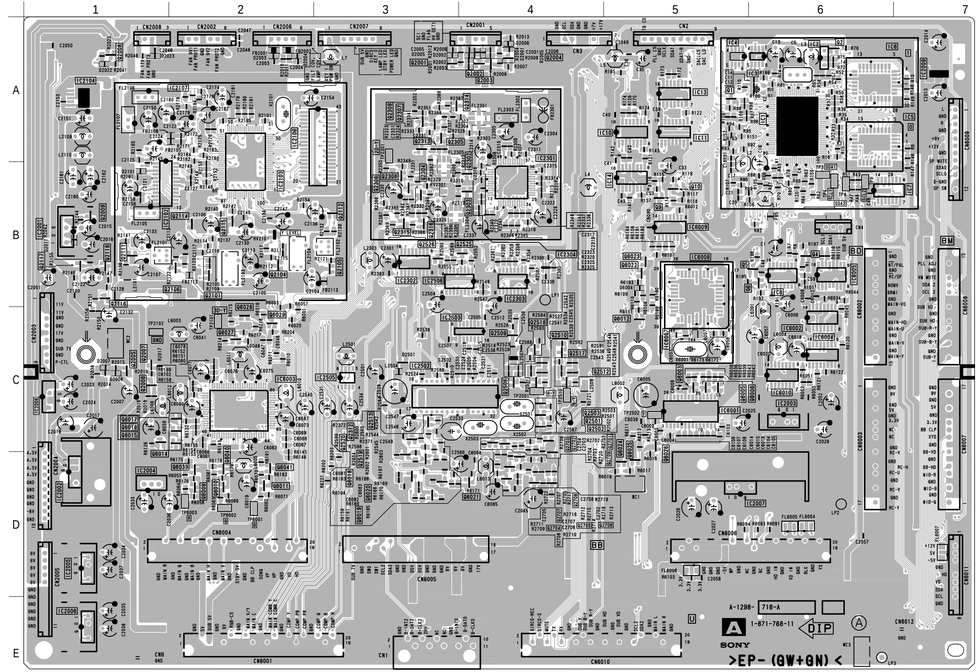
CRYSTAL

	(Conductor Side)	(Component Side)
X1	A–2	A–6
X2101	A–2	A–6
X2501	A–5	A–2
X2502	C–4	C–4
X2503	C–4	C–4
X6001	C–2	C–5

∗: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 56)

KL-X9200M/X9200U
RM-902
KL-X9200M/X9200U
RM-902

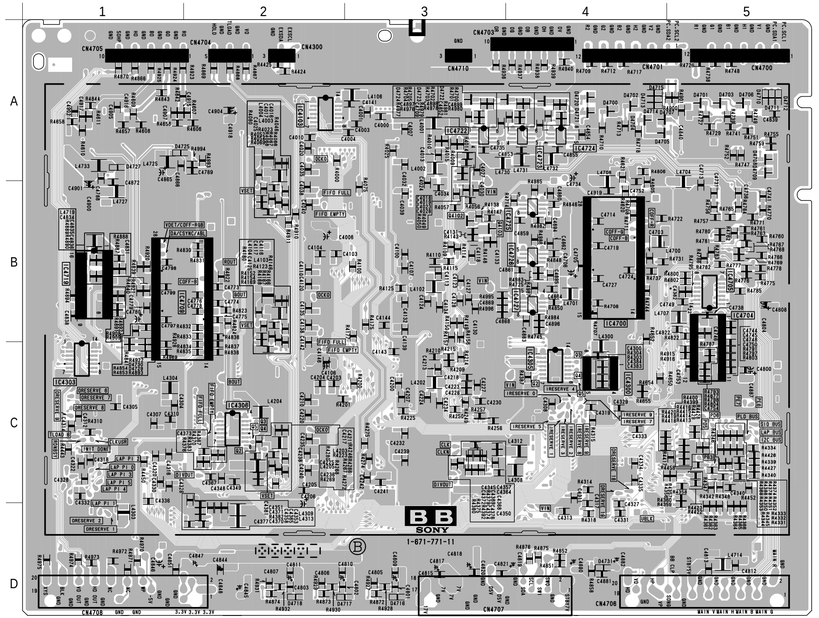
— A BOARD (Component Side) —



KL-X9200M/X9200U
RM-902

BB INPUT SELECTOR, AMP, BUFFER, 75 DRIVER, OSD, A/D, LAP, D/A, PLL, CPU, PLUS GENERATOR

— BB BOARD (Conductor Side) —



• BB BOARD SEMICONDUCTOR LOCATION

IC

	(Conductor Side)	(Component Side)
IC4000		A–3
IC4001		B–3
IC4002		B–4
IC4100		B–3
IC4101		B–3
IC4102		C–4
IC4103	A–2	
IC4200		C–3
IC4201		C–3
IC4202		D–4
IC4300	C–4	C–2
IC4301		C–1
IC4302		C–5
IC4303	C–1	
IC4304		C–1
IC4305	C–4	
IC4306	C–2	
IC4307		C–1
IC4308		C–3
IC4309	B–2	
IC4312		C–1
IC4700	B–4	B–2
IC4702		B–1
IC4703		A–1
IC4704	B–5	B–1
IC4705	B–5	
IC4706		C–1
IC4709		B–5
IC4711		B–1
IC4713		D–3
IC4714		D–4
IC4715		D–4
IC4719	B–1	B–5
IC4720		A–1
IC4721		A–1
IC4722	A–3	
IC4723	A–4	
IC4724	A–4	
IC4725	B–4	
IC4726	B–4	
IC4727	B–4	
IC4728		B–4
IC4729		B–2
IC4730		B–5
IC4731		B–2
IC4732		D–1
IC4734		D–2
IC4735		D–1
IC4736		A–4
IC4737		A–5
IC4738		A–5
IC4740		A–2
IC4741		A–2
IC4742		B–1
IC4743		C–1

TRANSISTOR

	(Conductor Side)	(Component Side)	✱
Q4100		B–3	②
Q4101		B–3	②
Q4102	B–3		①
Q4103	B–3		①
Q4301		D–1	②
Q4706		D–1	②
Q4707		D–1	②

DIODE

	(Conductor Side)	(Component Side)	✱
D4700	A–4		④
D4701	A–5		④
D4702	A–4		④
D4703	A–5		④
D4704	A–4		④
D4705	A–4		④
D4706	A–5		④
D4707	A–4		④
D4708	A–5		④
D4709	A–5		③
D4710	A–5		③
D4711	A–5		③
D4712	A–5		③
D4713	A–4		③
D4714	A–4		③
D4715	A–4		③
D4716	D–3		③
D4717	D–2		③
D4718	D–2		③
D4719		C–1	③
D4720	A–4		④
D4721	A–4		④
D4722	A–3		④
D4723	A–3		④
D4724	A–3		④
D4725	A–1		③
D4726		B–2	③
D4727	A–1		③
D4728		B–2	③
D4729	C–1		③
D4730	C–1		③
D4731	D–4		③

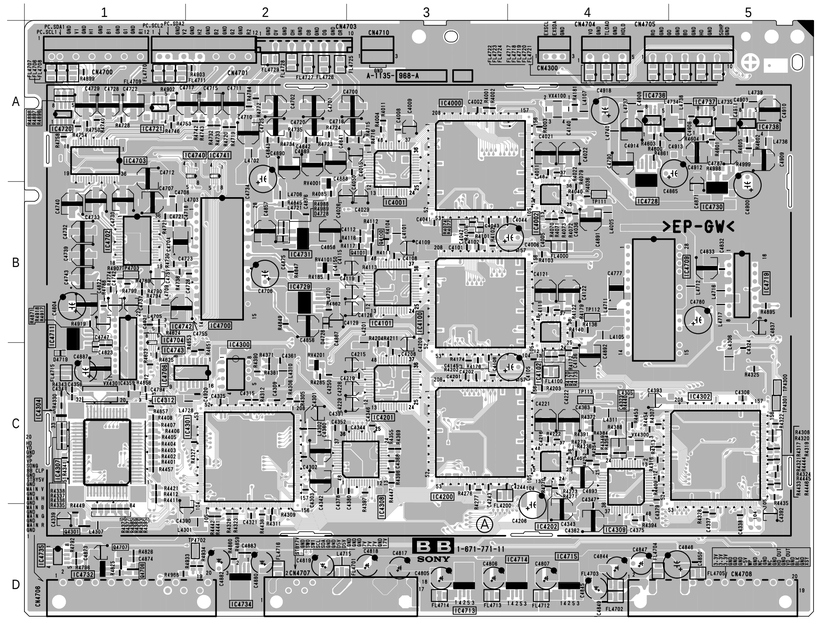
CRYSRTAL

	(Conductor Side)	(Component Side)
VX4100		A–4
VX4300		C–4
VX4301		C–1

✱: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 56)

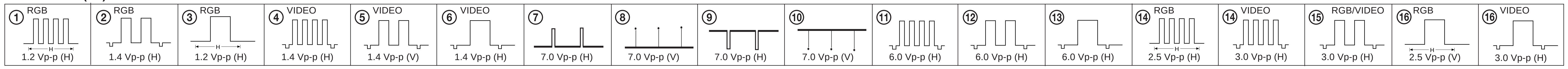
KL-X9200M/X9200U
RM-902
KL-X9200M/X9200U
RM-902

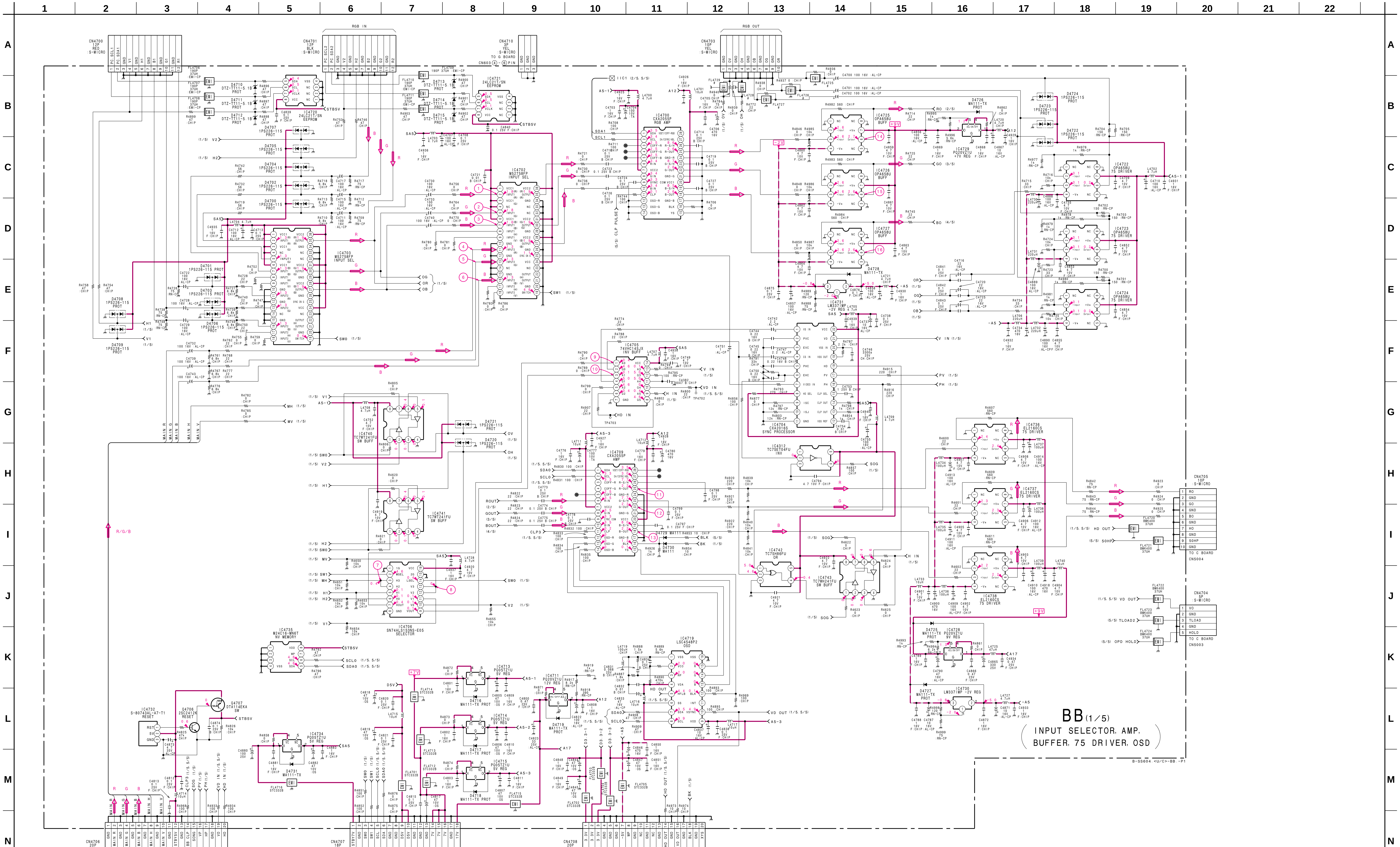
— BB BOARD (Component Side) —



(5) Schematic Diagram of BB Board (1/5)

• **BB BOARD (1/5) WAVEFORMS**





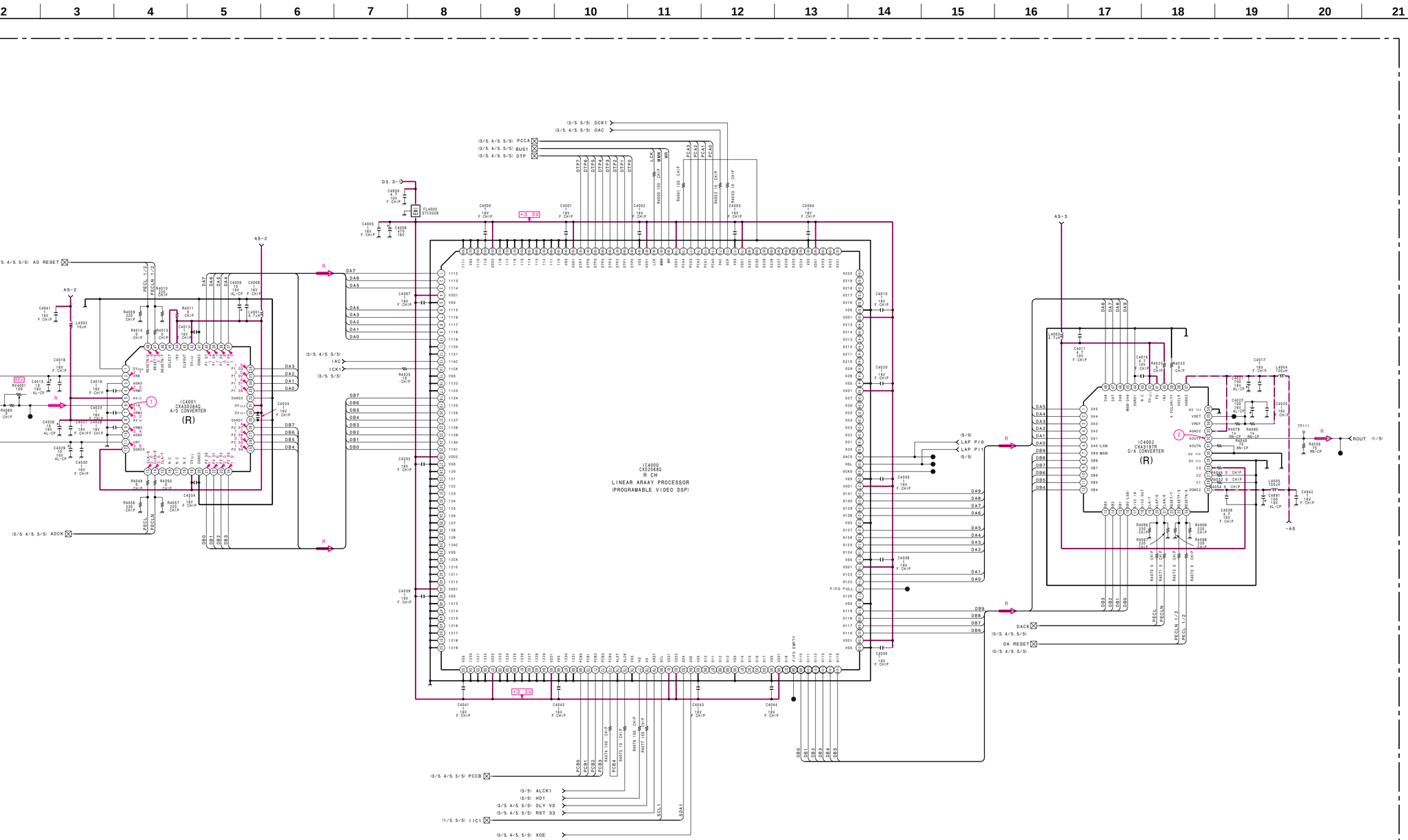
Schematic diagram ← BB board (1/5)

Schematic diagram BB board (2/5) →

(6) Schematic Diagram of BB Board (2/5)

• **BB BOARD (2/5) WAVEFORMS**

① RGB	② VIDEO	③ RGB/VIDEO
2.5 Vp-p (H)	3.0 Vp-p (H)	6.0 Vp-p (H)



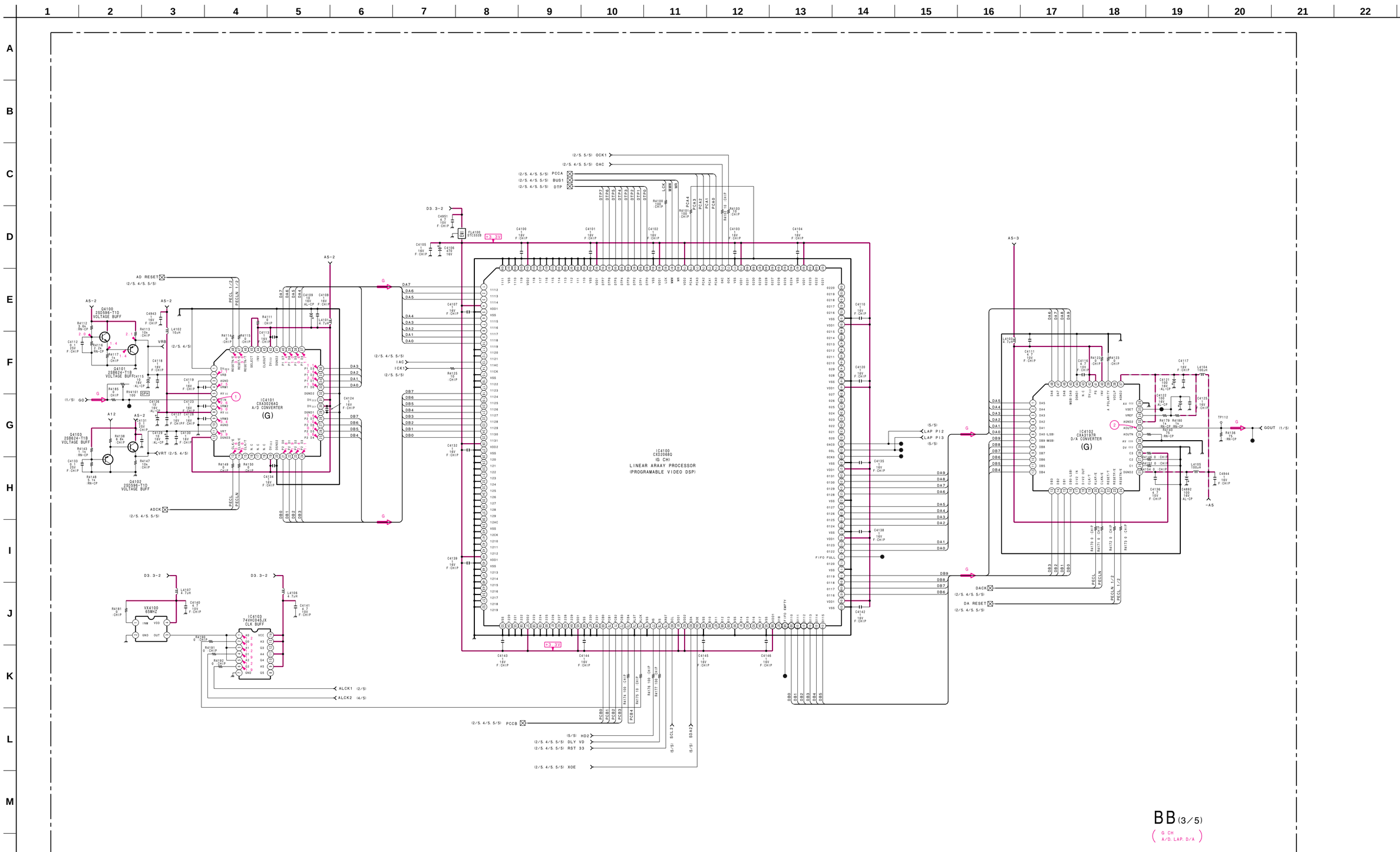
BB (2/5)
(R CH
A/D. LAP. D/A)

B-SS604 <U/C>-BB. -P2

(7) Schematic Diagram of BB Board (3/5)

• BB BOARD (3/5) WAVEFORMS

① RGB/VIDEO	② RGB/VIDEO
3.0 Vp-p (H)	6.0 Vp-p (H)



BB (3/5)
(G CH
A/D. LAP. D/A)

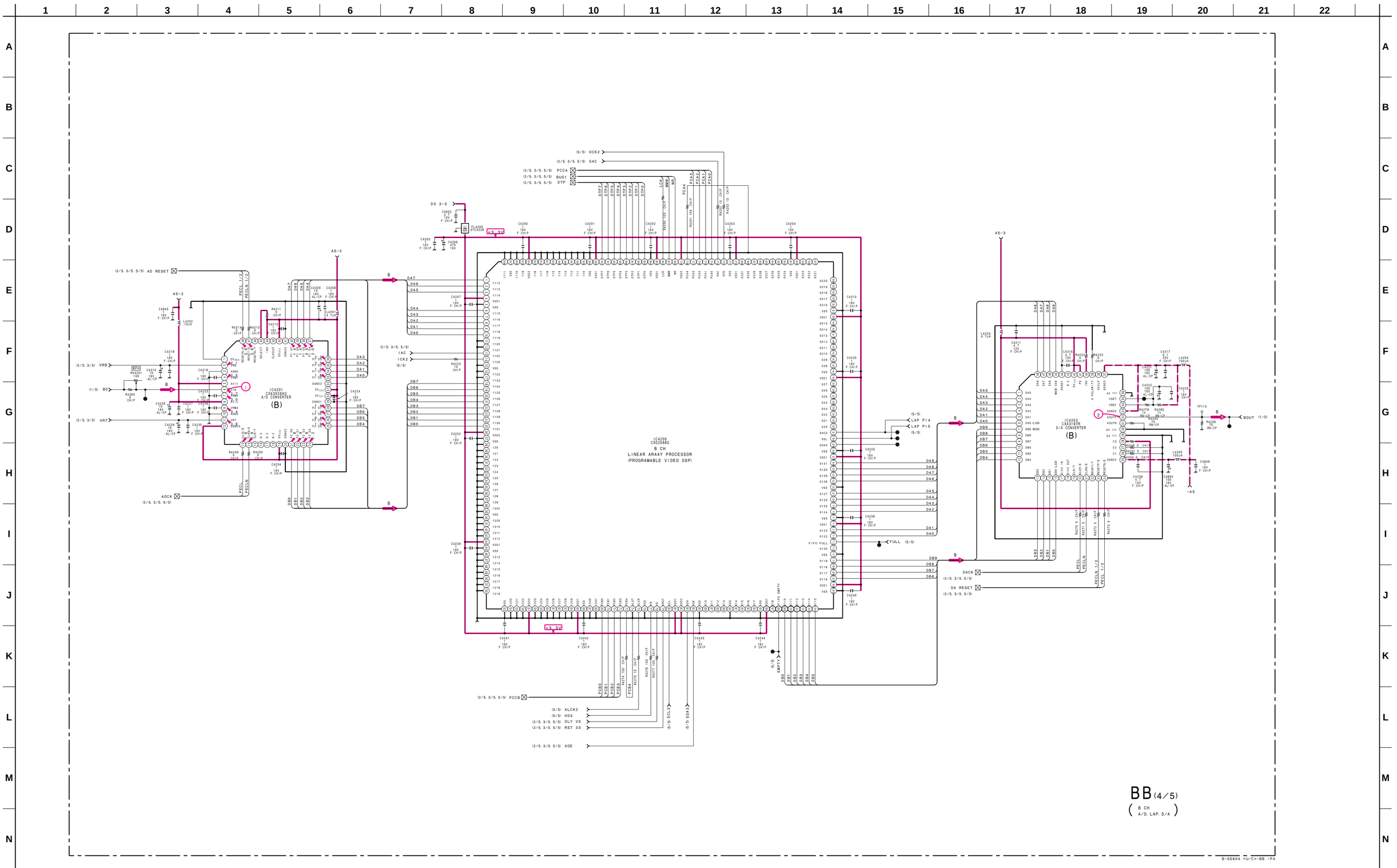
Schematic diagram
← BB board (3/5)

Schematic diagram
BB board (4/5) →

(8) Schematic Diagram of BB Board (4/5)

• BB BOARD (4/5) WAVEFORMS

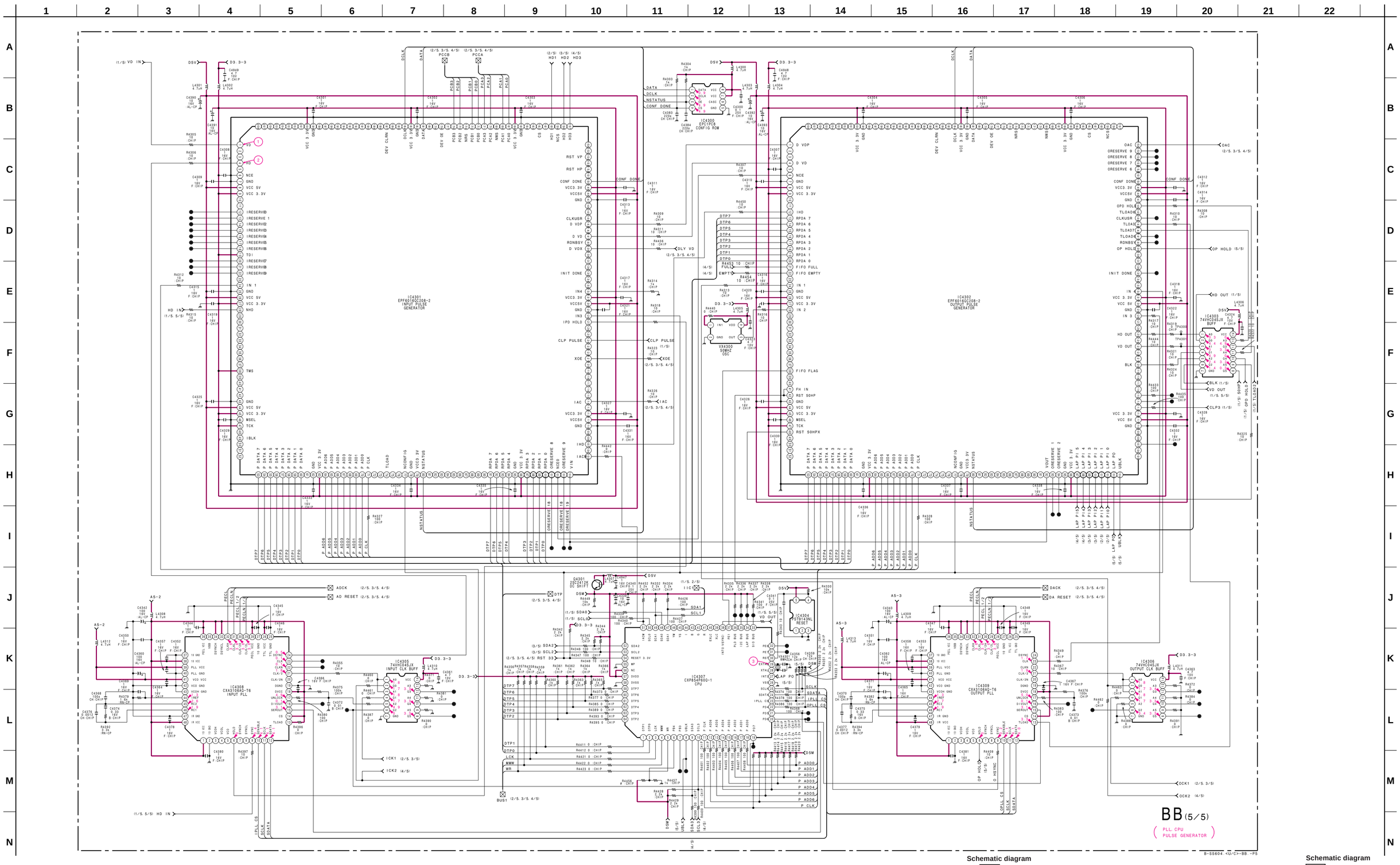
① RGB	② VIDEO	③ RGB/VIDEO
2.5 Vp-p (H)	3.0 Vp-p (H)	6.0 Vp-p (H)



(9) Schematic Diagram of BB Board (5/5)

• **BB BOARD (5/5) WAVEFORMS**

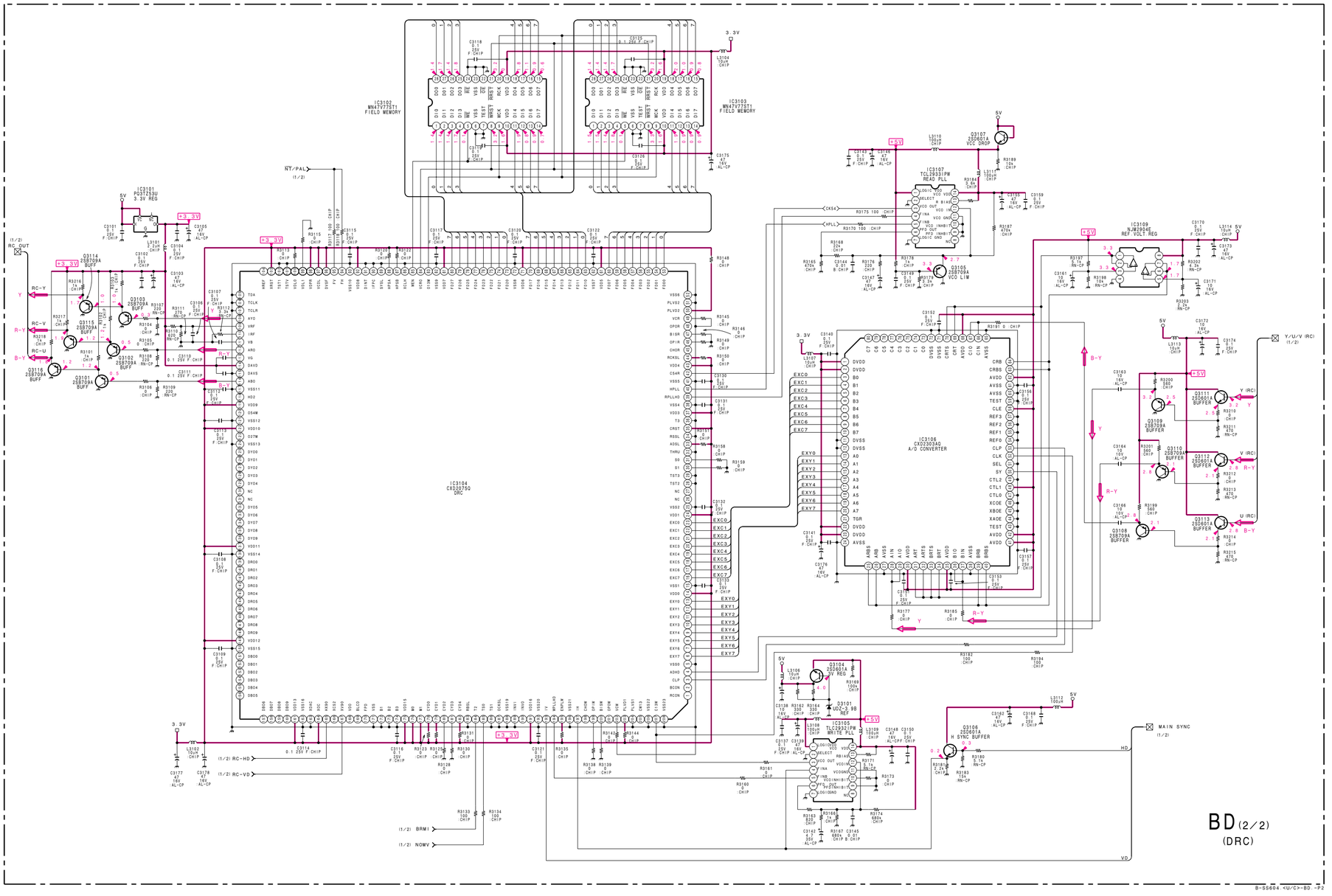
①	②	③
7.0 Vp-p (V)	6.0 Vp-p (H)	5.0 Vp-p (8MHz)



Schematic diagram ← BB board (5/5)

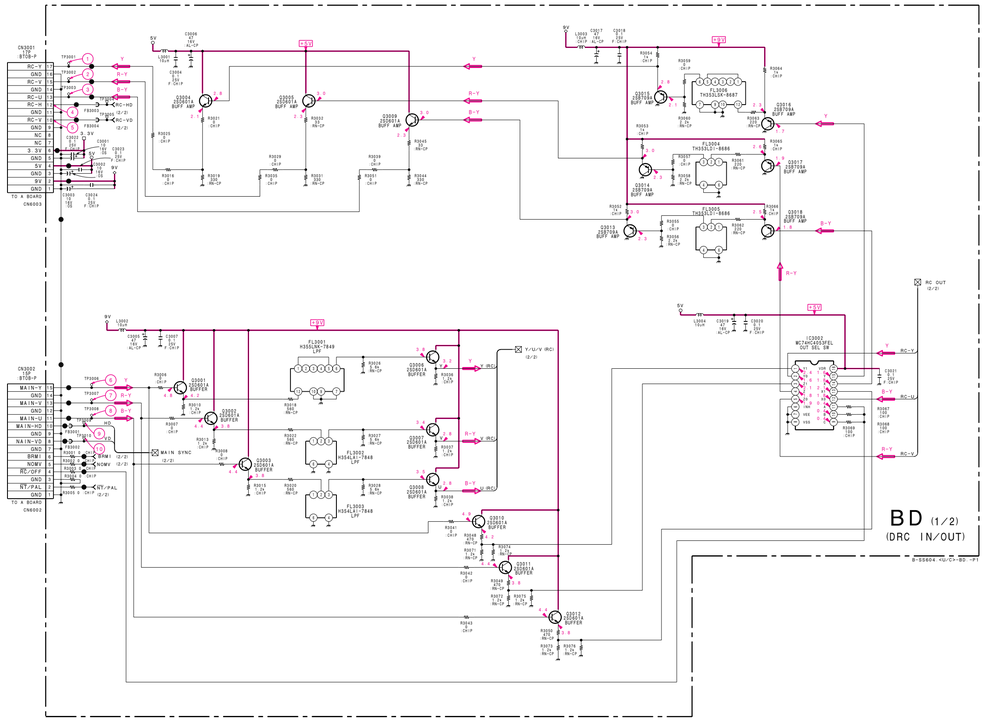
Schematic diagram BD board (2/2) →

(10) Schematic Diagram of BD Board (2/2)



KL-X9200M/X9200U
RM-902

(11) Schematic Diagram of BD Board (1/2)



• BD BOARD (1/2) WAVEFORMS

① 1.0 Vp-p (H)

② 1.0 Vp-p (H)

③ 1.0 Vp-p (H)

④ 6.0 Vp-p (H)

⑤ 6.0 Vp-p (H)

⑥ 2.5 Vp-p (H)

⑦ 2.5 Vp-p (H)

⑧ 2.5 Vp-p (H)

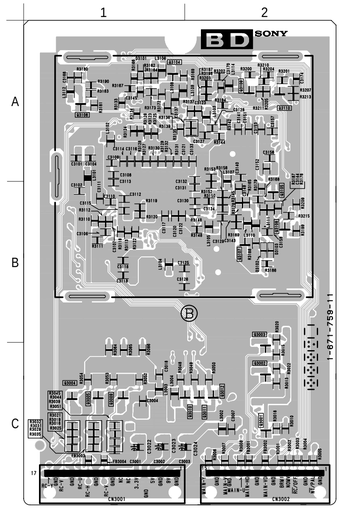
⑨ 8.0 Vp-p (H)

⑩ 8.0 Vp-p (V)

KL-X9200M/X9200U
RM-902

BD [DRC IN/OUT]

— BD BOARD (Conductor Side) —



• BD BOARD SEMICONDUCTOR LOCATION

IC

	(Conductor Side)	(Component Side)
IC3002		C–1
IC3101		A–2
IC3102		B–2
IC3103		B–1
IC3104		B–2
IC3105		A–2
IC3106		A–1
IC3107		A–1
IC3109		A–1

TRANSISTOR

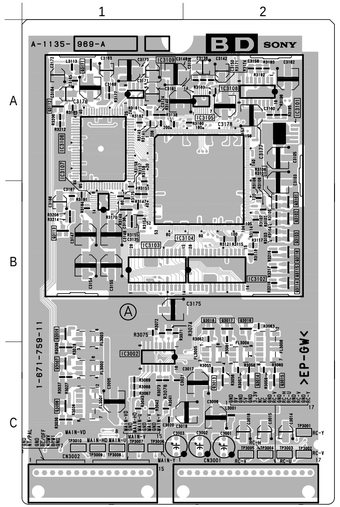
	(Conductor Side)	(Component Side)	✻
Q3001	C–2		①
Q3002	C–2		①
Q3003	B–2		①
Q3004	C–1		①
Q3005	C–1		①
Q3006		C–1	②
Q3007		C–1	②
Q3008		B–1	②
Q3009	C–1		①
Q3010	C–2		①
Q3011	C–2		①
Q3012	C–2		①
Q3013		C–2	②
Q3014		C–2	②
Q3015		C–2	②
Q3016		B–2	②
Q3017		B–2	②
Q3018		B–2	②
Q3101		B–2	②
Q3102		B–2	②
Q3103		B–2	②
Q3104	A–1		①
Q3105	B–2		①
Q3106	A–1		①
Q3107	B–2		①
Q3108	B–2		①
Q3109	A–2		①
Q3110	A–2		①
Q3111		A–1	②
Q3112		A–1	②
Q3113		B–1	②
Q3114		B–2	②
Q3115		B–2	②
Q3116		B–2	②

DIODE

	(Conductor Side)	(Component Side)	✻
D3101	A–1		③

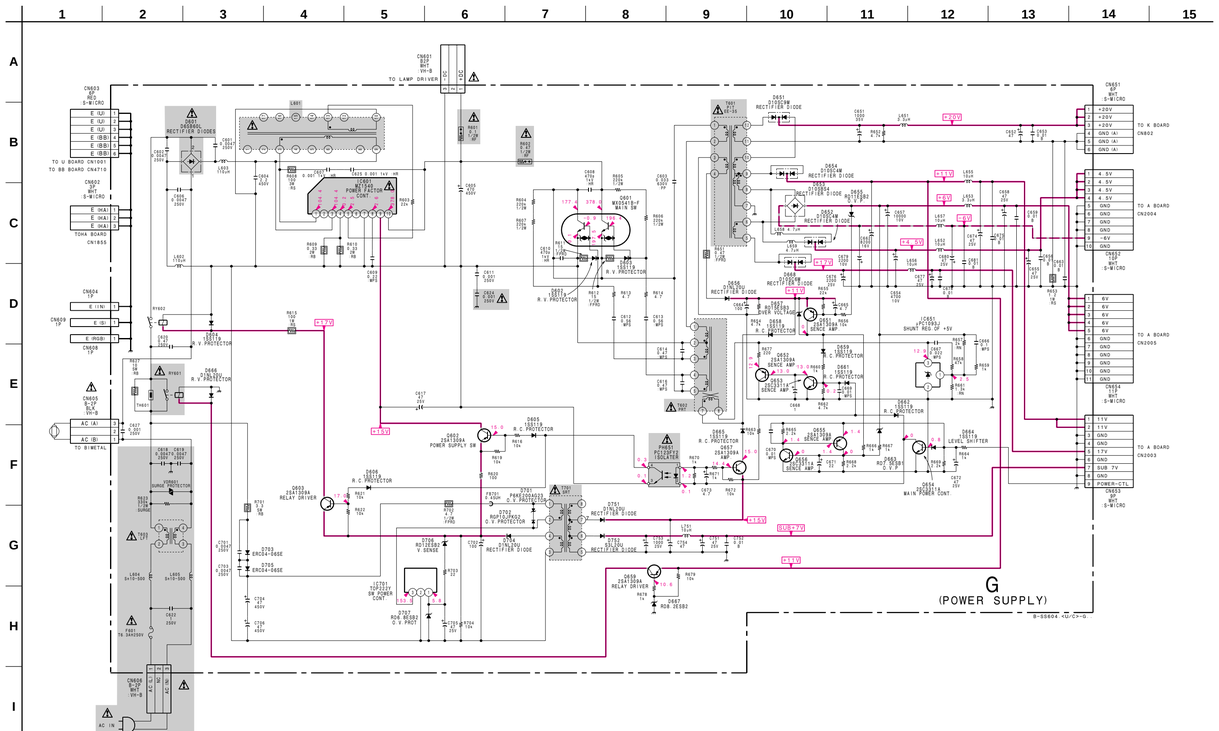
✻: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 56)

— BD BOARD (Component Side) —



KL-X9200M/X9200U
RM-902

(12) Schematic Diagram of G Board



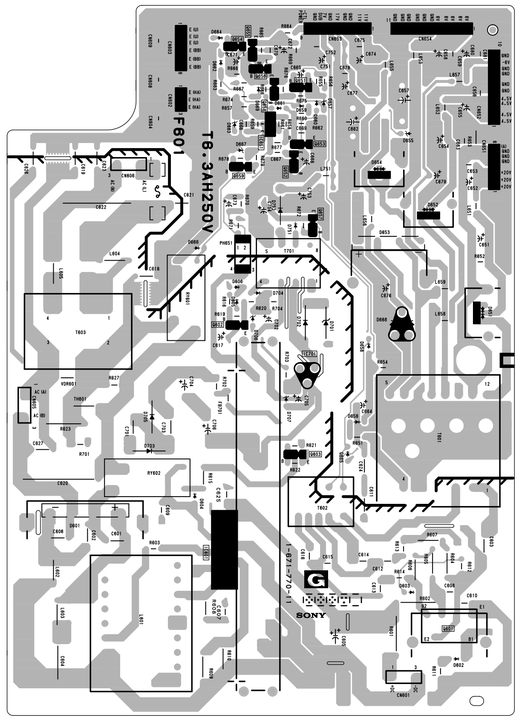
Schematic diagram
← BD board (1/2)

Schematic diagram
G board →

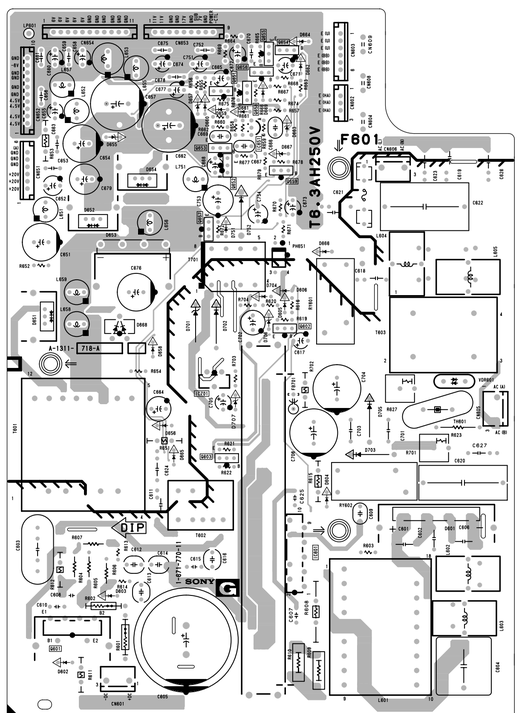
KL-X9200M/X9200U
RM-902
KL-X9200M/X9200U
RM-902

G [POWER SUPPLY]

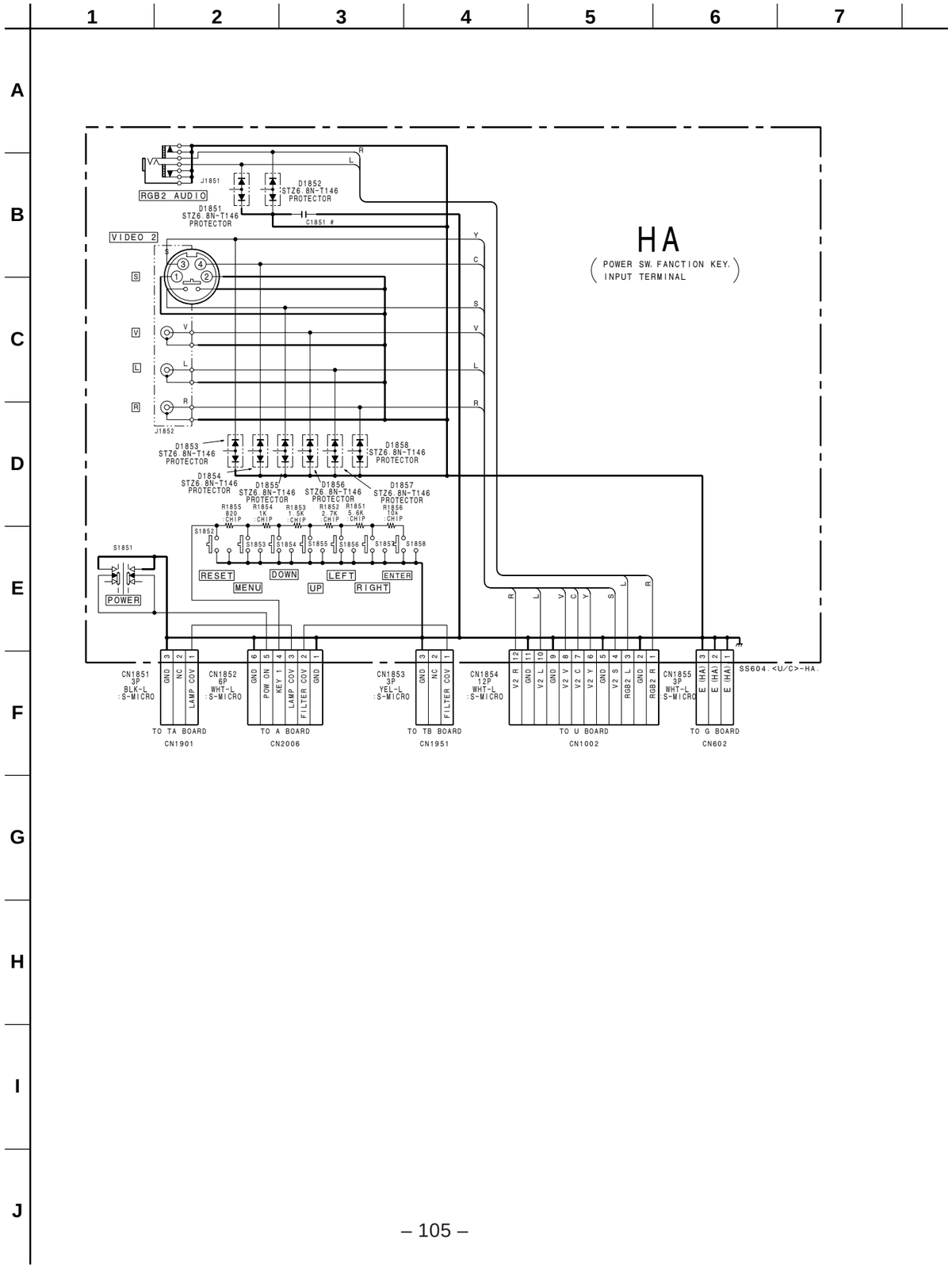
— G BOARD (Conductor Side) —



— G BOARD (Component Side) —



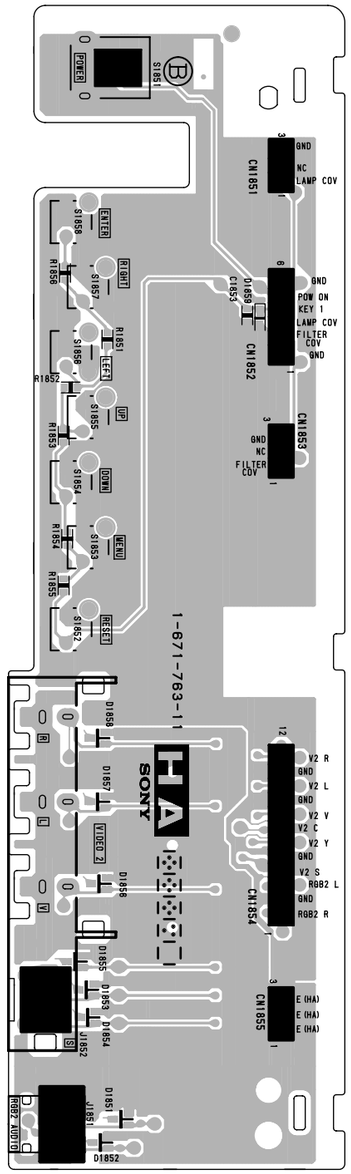
(13) Schematic Diagram of HA Board



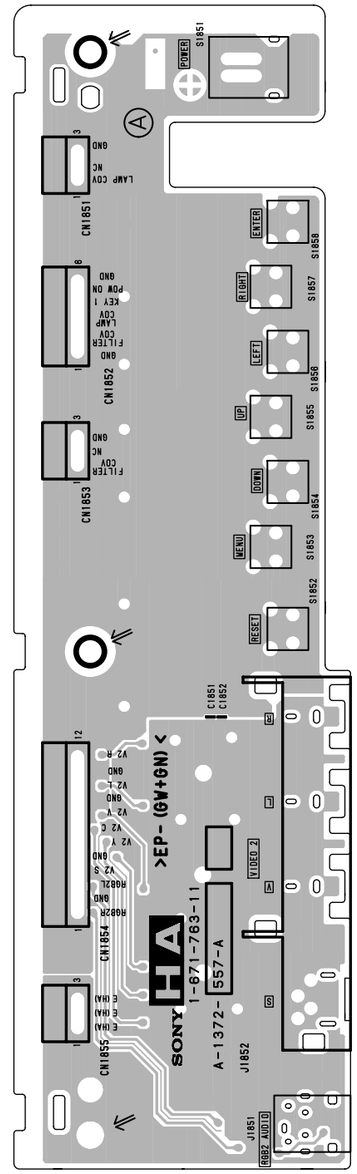
KL-X9200M/X9200U
RM-902

HA POWER SW, FUNCTION KEY, INPUT TERMINAL

— HA BOARD (Conductor Side) —



— HA BOARD (Component Side) —



HA BOARD
Terminal name of semiconductors in silk screen printed circuit (∗)

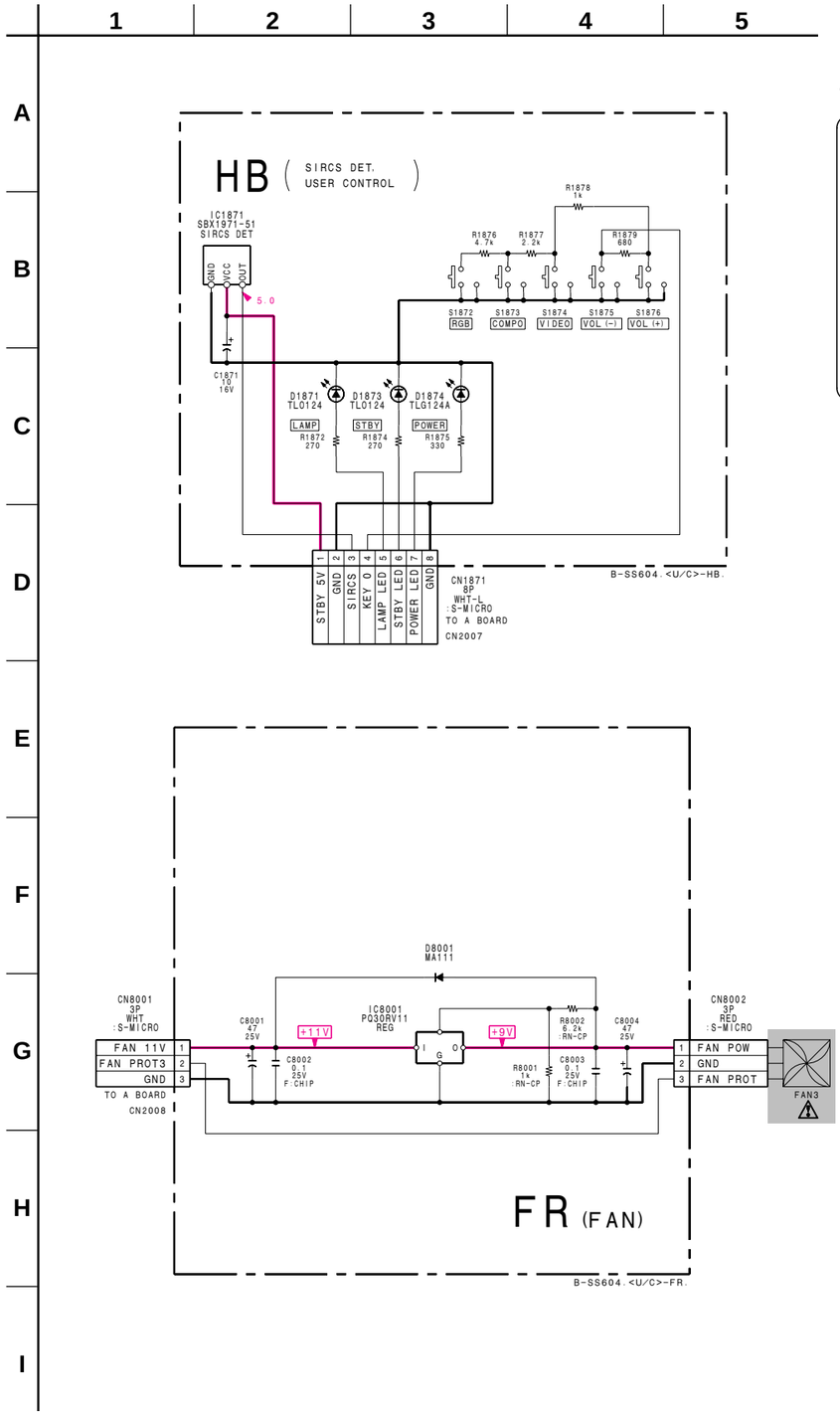
Ref.	∗
D1851, D1852, D1853, D1854, D1855, D1856 D1857, D1858	⑩

∗: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 56)

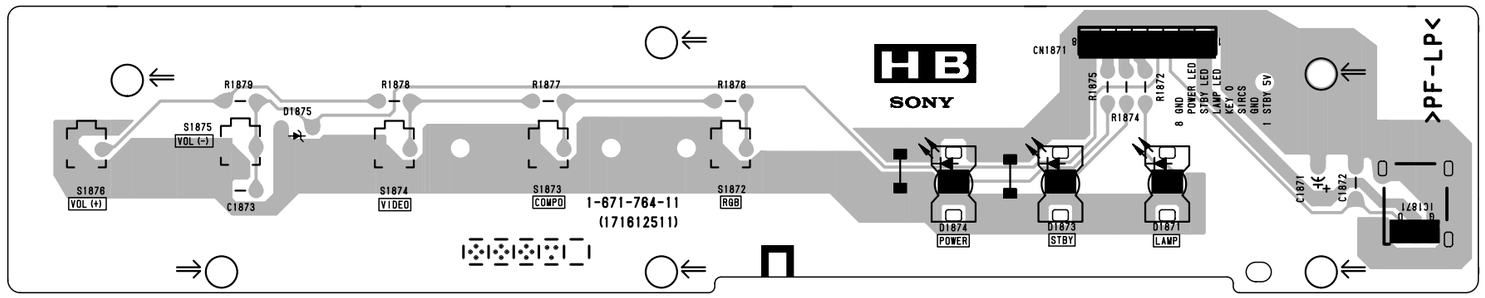
KL-X9200M/X9200U
RM-902

(14) Schematic Diagram of HB, FR Boards

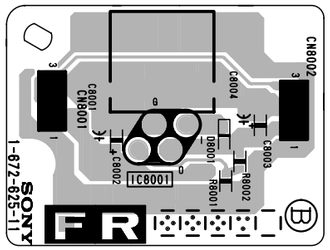
HB [SIRCS] FR [FAN REG]



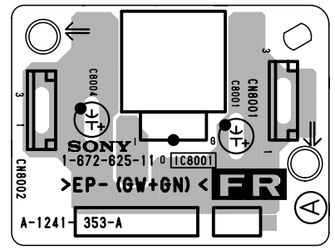
— HB BOARD —



— FR BOARD (Conductor Side) —



— FR BOARD (Component Side) —



FR BOARD
Terminal name of semiconductors in silk screen printed circuit (∗)

Ref.	∗
D8001	③

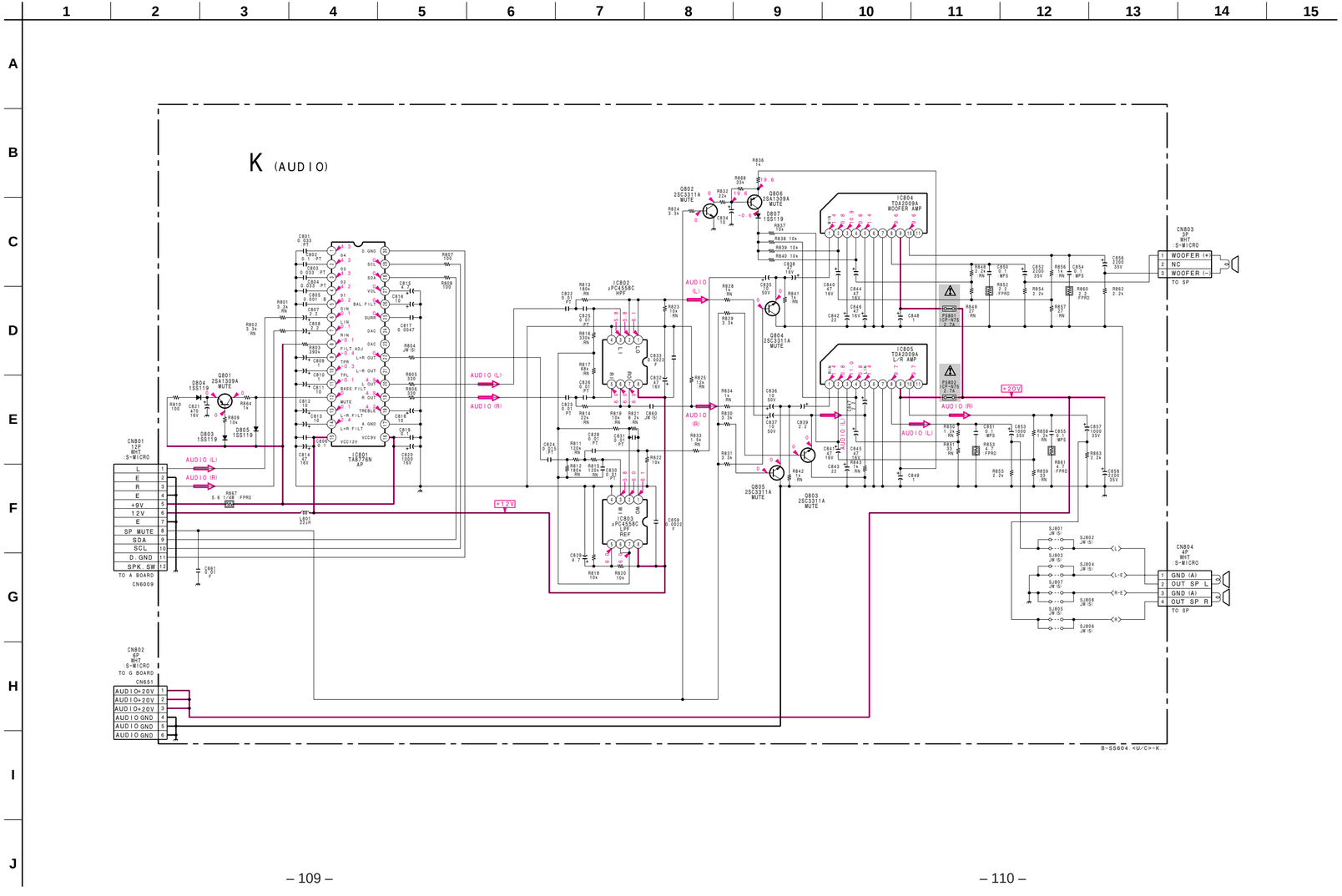
∗: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 56)

Schematic diagram
← HA board

Schematic diagrams
HB FR boards

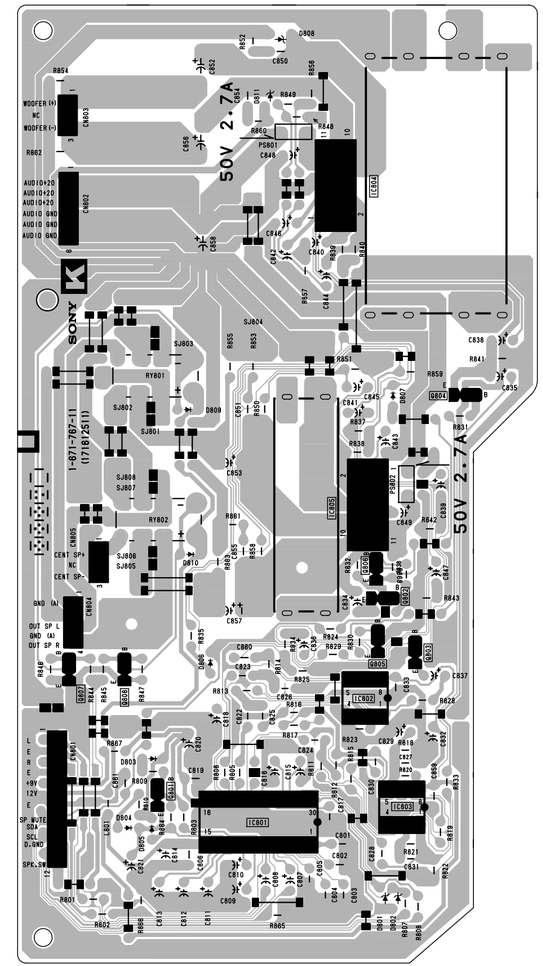
KL-X9200M/X9200U
RM-902

(15) Schematic Diagrams of K Board



K [AUDIO]

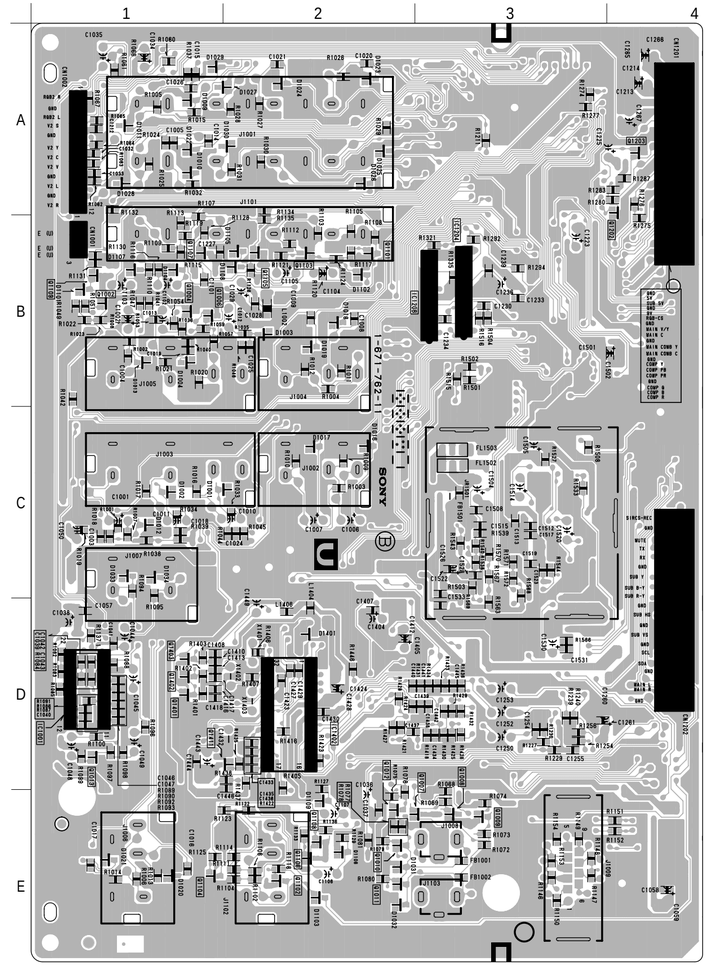
— K BOARD —



Schematic diagram
← K board

U [INPUT/OUTPUT TERMINAL, AV SW, SIRCS IN/OUT, SUB PICTURE]

— U BOARD (Conductor Side) —



• U BOARD SEMICONDUCTOR LOCATION

IC

	(Conductor Side)	(Component Side)
IC1005		E–2
IC1201		A–1

TRANSISTOR

	(Conductor Side)	(Component Side)	✻
Q1002	B–1		1
Q1004	B–1		1
Q1006	B–1		1
Q1007	E–3		1
Q1008	E–3		1
Q1009	E–3		1
Q1010	E–2		1
Q1011	E–2		1
Q1012	D–2		1
Q1101	B–2		1
Q1102	E–2		1
Q1103	B–2		1
Q1104	E–1		1
Q1105	B–2		1
Q1106	E–2		1
Q1107	B–1		1
Q1108	E–2		1
Q1109	B–1		1
Q1110		B–3	2
Q1111		B–3	2
Q1202	A–4		1
Q1203	A–4		1

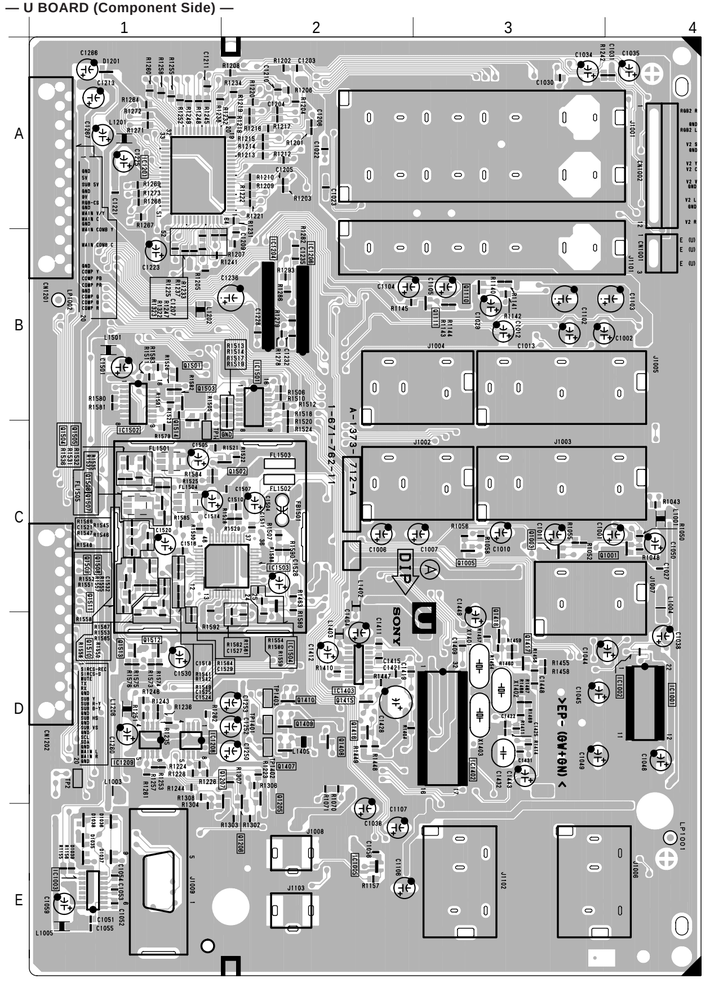
DIODE

	(Conductor Side)	(Component Side)	✻
D1003	B–2		4
D1004	B–1		4
D1009	A–1		4
D1010	A–1		4
D1011	A–1		18
D1013	B–1		4
D1018	B–2		4
D1019	B–2		4
D1020	E–1		4
D1021	E–1		4
D1022	A–1		4
D1023	A–2		4
D1024	A–2		4
D1025	A–2		4
D1026	A–2		4
D1027	A–1		18
D1028	A–1		18
D1029	A–1		4
D1030	A–2		18
D1031	E–2		4
D1032	E–2		4
D1101	B–1		4
D1102	B–2		4
D1103	E–2		4
D1104	B–1		4
D1105	B–2		4
D1106	E–2		4
D1107	B–1		4
D1108	B–2		4
D1109	E–2		4
D1201		A–1	5

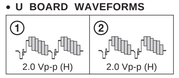
✻: **Refer to Terminal name of semiconductors in silk screen printed circuit (see page 56)**

KL-X9200M/X9200U
RM-902

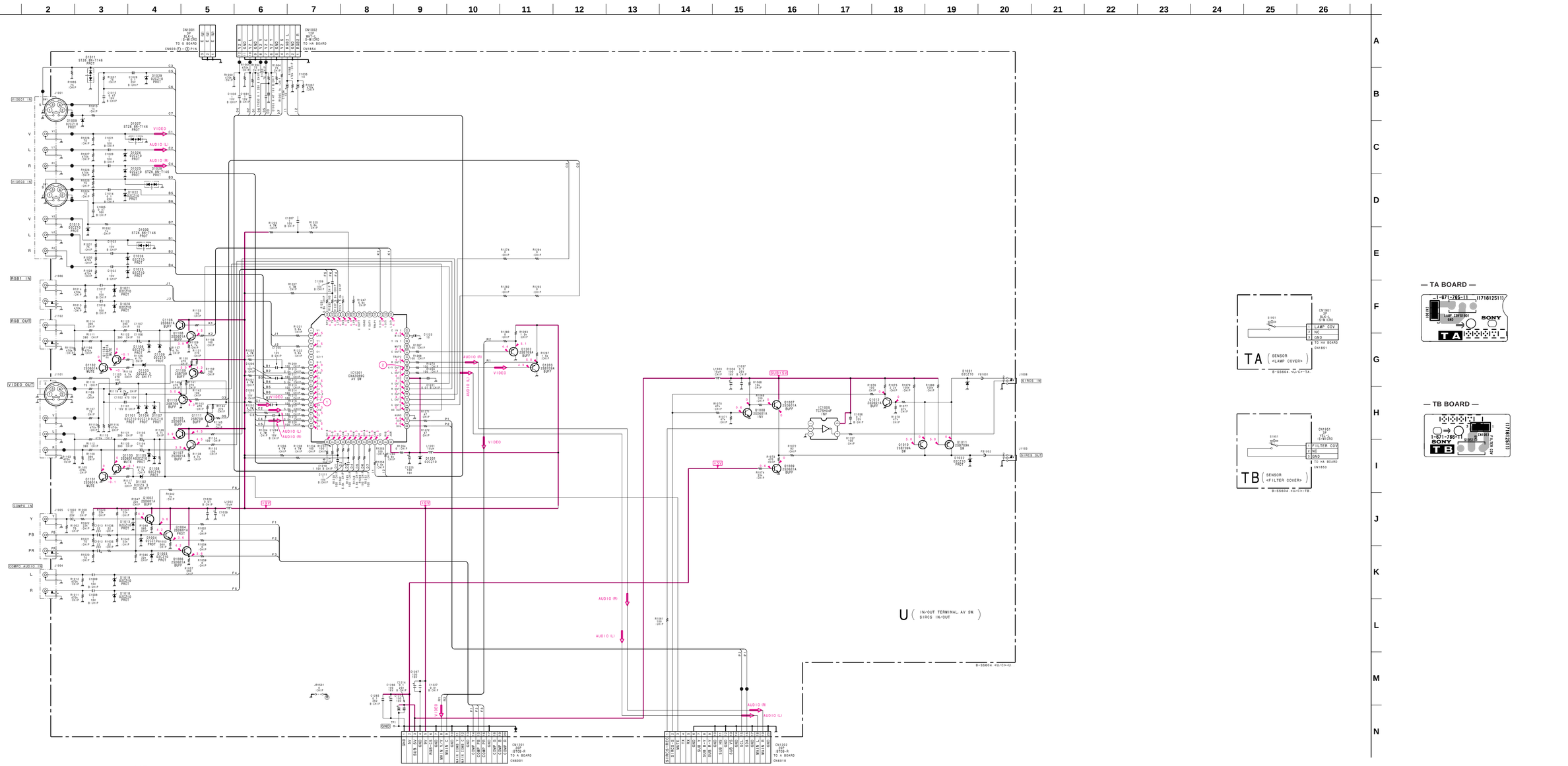
— U BOARD (Component Side) —



• U BOARD WAVEFORMS



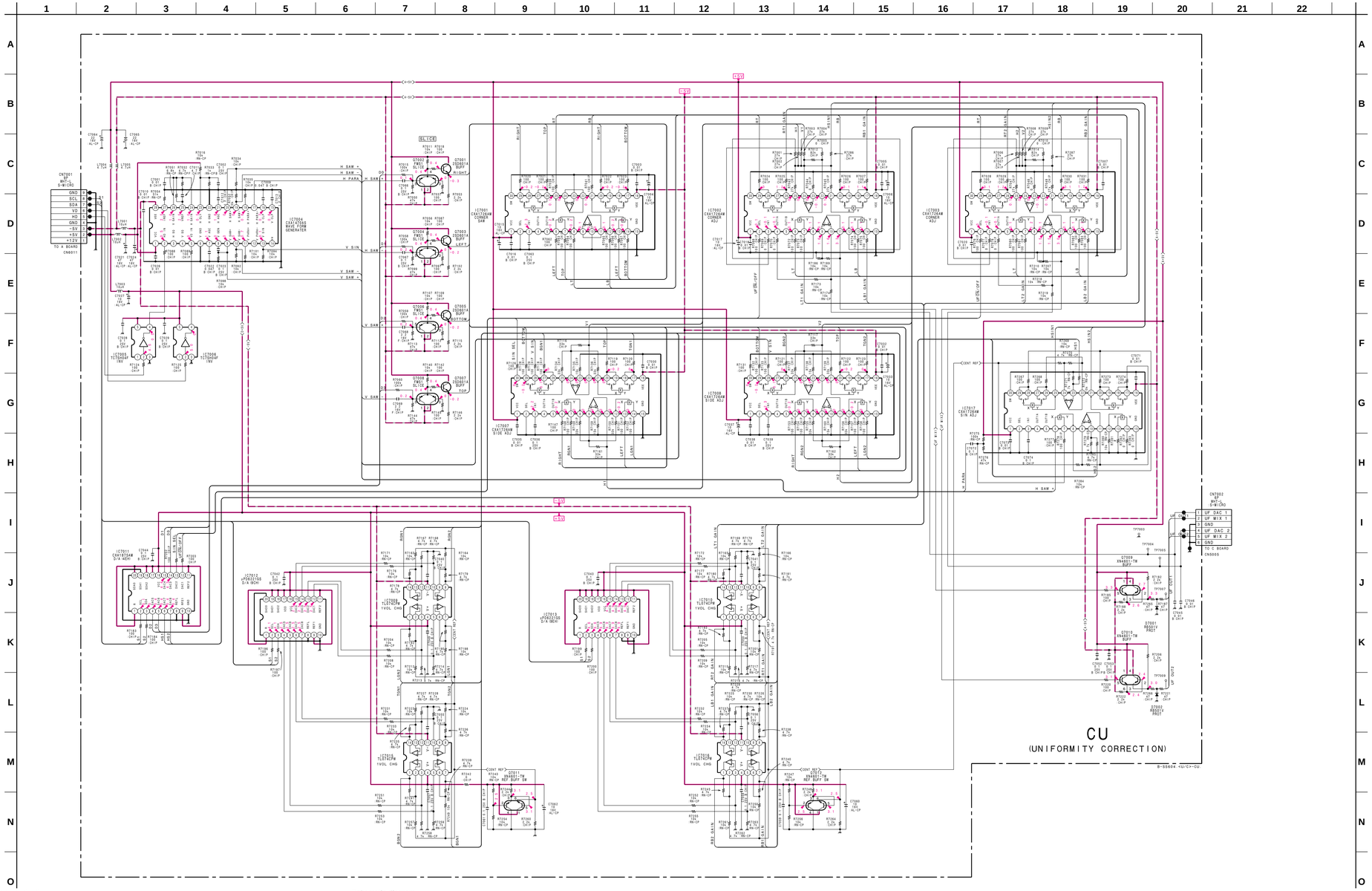
TA [SENSOR <LAMP COVER>] TB [SENSOR <FILTER COVER>]



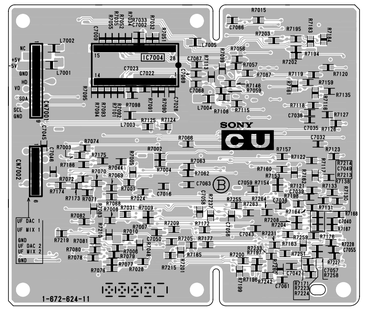
— TA BOARD —

— TB BOARD —

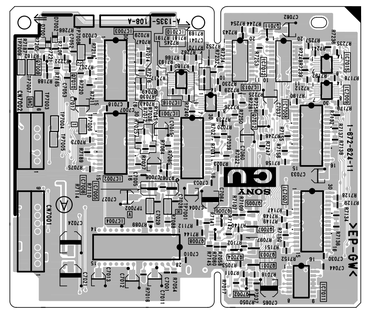
(17) Schematic Diagram of CU Board



— CU BOARD (conductor side) —



— CU BOARD (component side) —



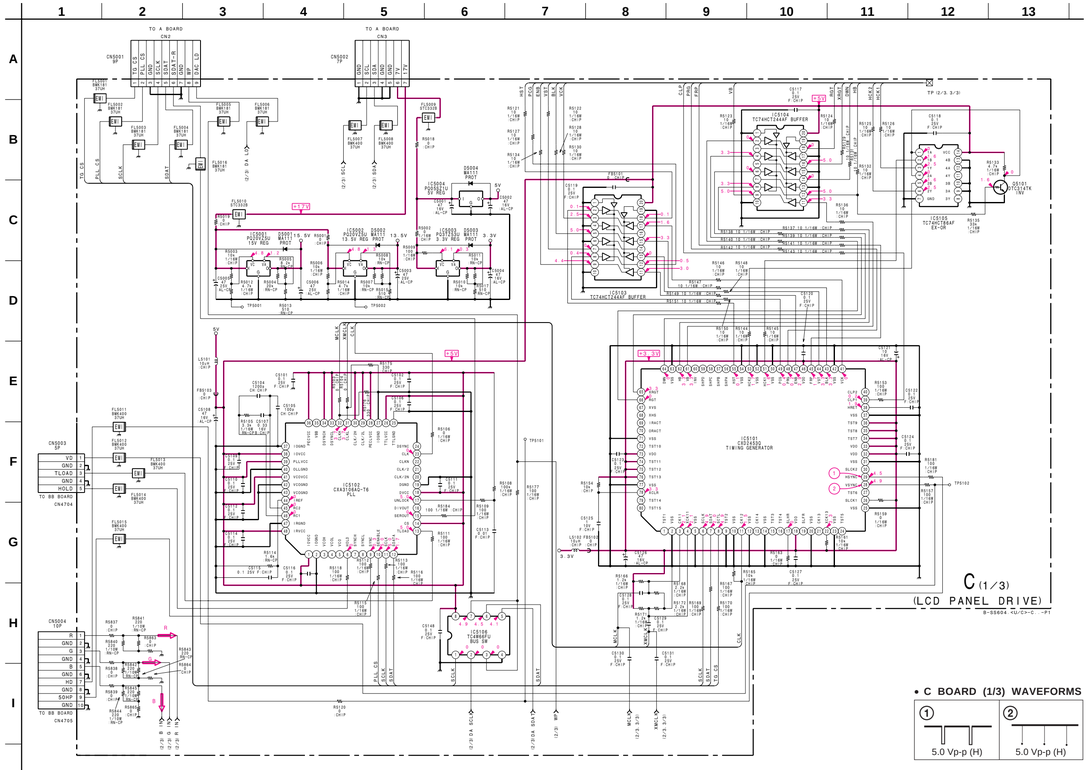
CU BOARD
Terminal name of semiconductors in silk screen printed circuit (✻)

Ref.	✻
Q7001, Q7003, Q7005, Q7007	②
Q7009, Q7010, Q7011, Q7012	⑲
Q7002, Q7004, Q7006, Q7008	㉔
D7001, D7002	③

✻: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 56)

KL-X9200M/X9200U
RM-902

(18) Schematic Diagram of C Board (1/3)



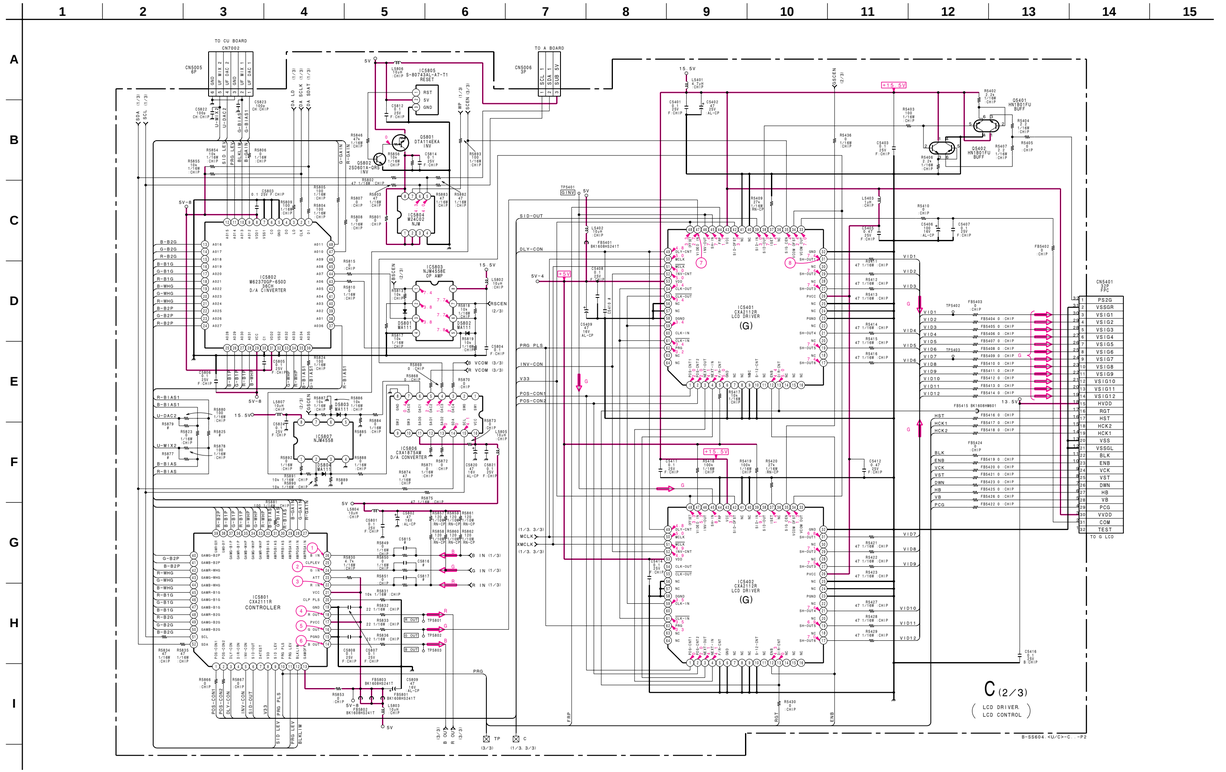
• C BOARD (1/3) WAVEFORMS

① 5.0 Vp-p (H)

② 5.0 Vp-p (H)

KL-X9200M/X9200U
RM-902
KL-X9200M/X9200U
RM-902

(19) Schematic Diagram of C Board (2/3)



• C BOARD (2/3) WAVEFORMS

① 1.5 Vp-p (H)

② 1.5 Vp-p (H)

③ 1.5 Vp-p (H)

④ 1.0 Vp-p (H)

⑤ 1.0 Vp-p (H)

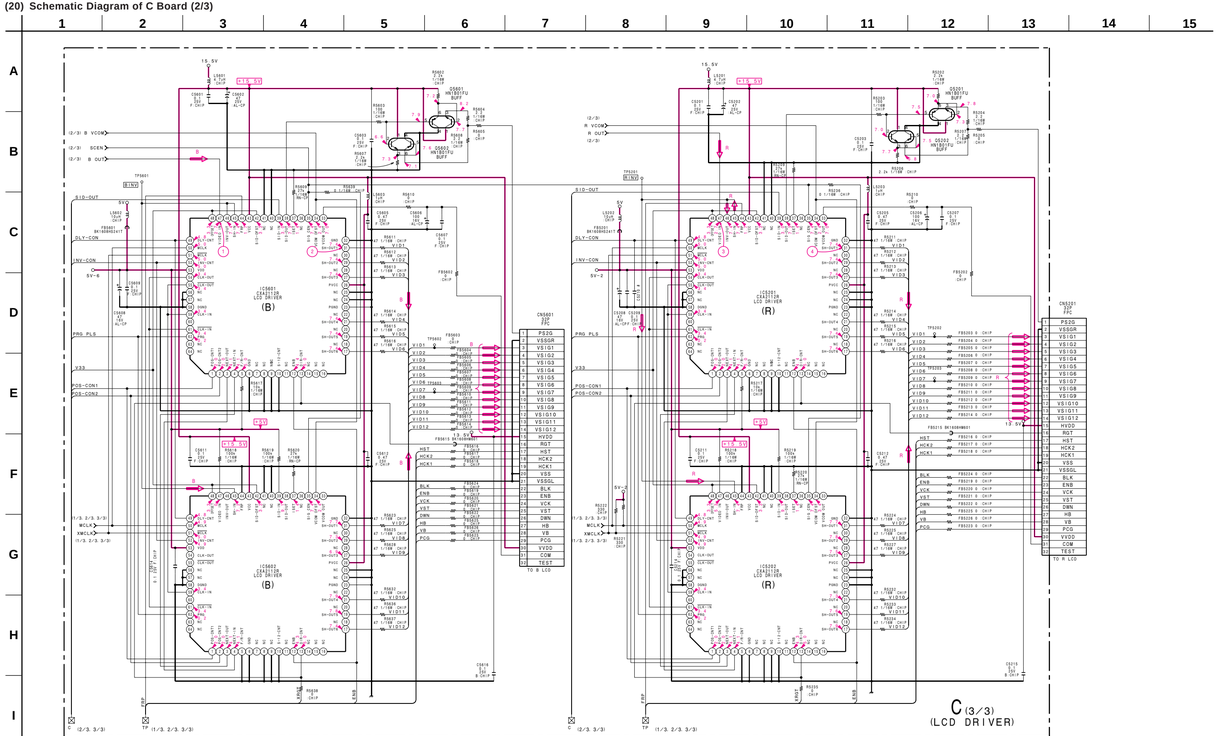
⑥ 1.0 Vp-p (H)

⑦ 1.0 Vp-p (H)

⑧ 3.0 Vp-p (H)

KL-X9200M/X9200U
RM-902

(20) Schematic Diagram of C Board (2/3)



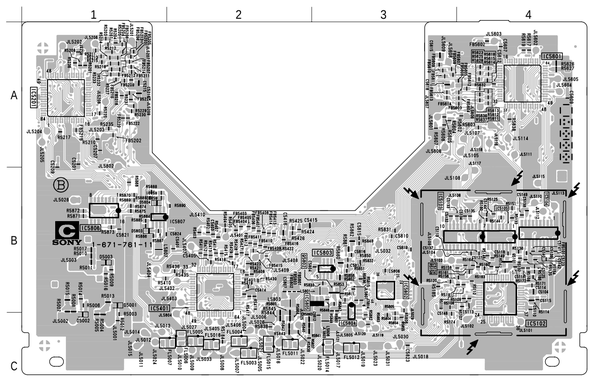
Schematic diagram
◀ C board (1/3) C board (2/3)

Schematic diagram
C board (3/3) ▶

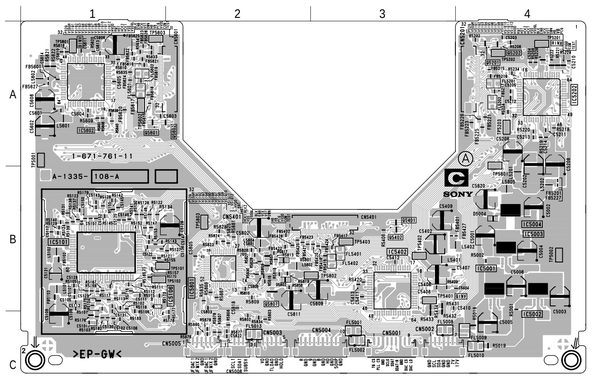
KL-X9200M/X9200U
RM-902
KL-X9200M/X9200U
RM-902

C [LCD DRIVER, LCD CONTROL]

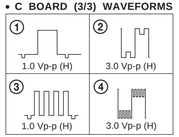
— C BOARD (Conductor Side) —



— C BOARD (Component Side) —



• C BOARD (3/3) WAVEFORMS



• C BOARD SEMICONDUCTOR LOCATION

IC

	(Conductor Side)	(Component Side)
IC5001		B–4
IC5002		C–4
IC5003		B–4
IC5004		B–4
IC5101		B–1
IC5102	C–4	
IC5103	B–3	
IC5104	B–4	
IC5105	B–4	
IC5106		B–2
IC5201	A–1	
IC5202		A–4
IC5401	B–1	
IC5402		B–3
IC5601	A–4	
IC5602		A–1
IC5801		B–2
IC5802	B–3	
IC5803	B–2	
IC5804	C–3	
IC5805	B–2	
IC5806	B–1	
IC5807	B–2	

TRANSISTOR

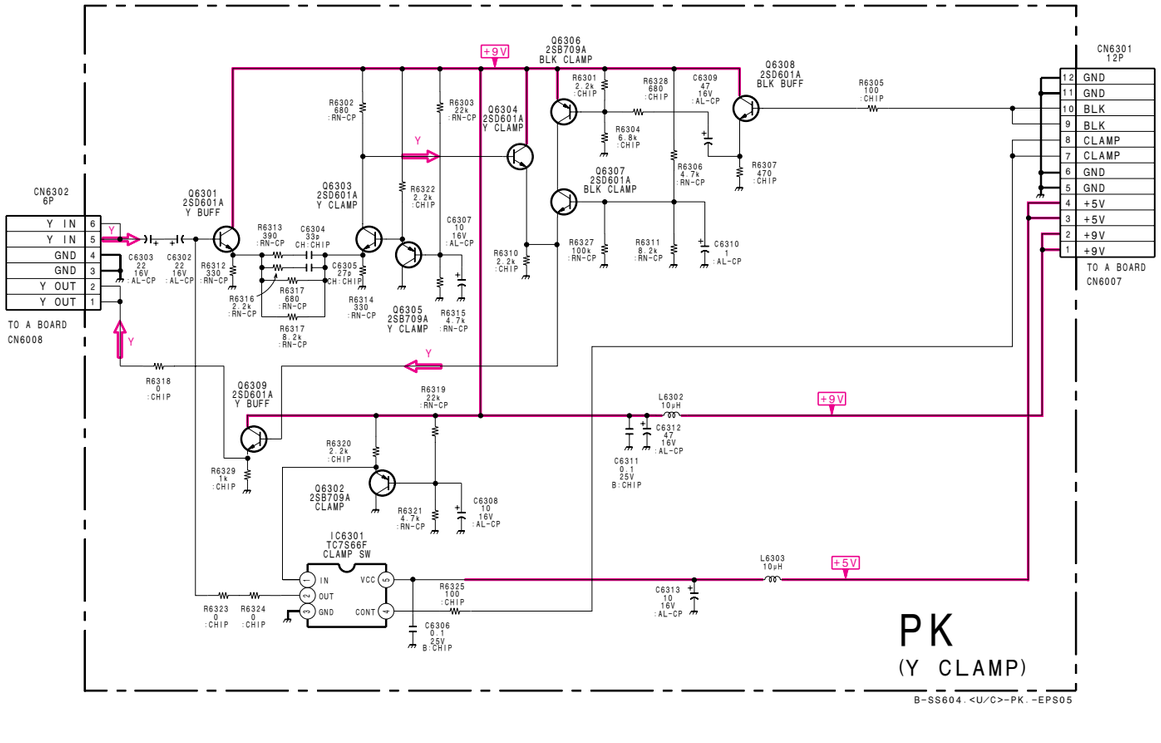
	(Conductor Side)	(Component Side) *
Q5101	B–4	②
Q5201		A–4 ③
Q5202		A–4 ③
Q5401		B–3 ③
Q5402		B–3 ③
Q5601		A–1 ③
Q5602		A–2 ③
Q5801		B–2 ②
Q5802	B–2	②

DIODE

	(Conductor Side)	(Component Side) *
D5001	B–1	③
D5002	C–1	③
D5003	B–1	③
D5004		B–4 ③
D5801		B–2 ③
D5802		B–2 ③
D5803	B–1	③
D5804	B–1	③

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 56)

(21) Schematic Diagram of PK Board

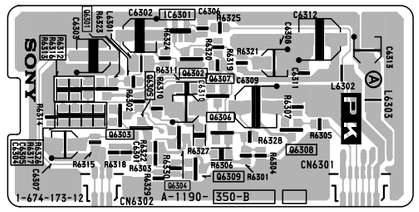


B-SS604.<U/C>-PK.-EPS05

KL-X9200M/X9200U
RM-902

PK [Y CLAMP]

— PK BOARD —



PK BOARD
Terminal name of semiconductors in silk screen printed circuit (∗)

Ref.	∗
Q6301, Q6302, Q6303 Q6304, Q6305, Q6306 Q6307, Q6308, Q6309	②

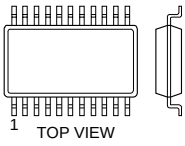
∗: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 56)

5-5. SEMICONDUCTORS

CXA1470AS
CXA2055P

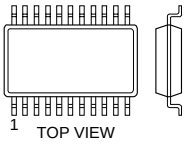
28 pin DIP

CXA1726AM



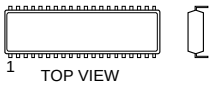
30 pin SOP

CXA1875AM-T4
MC74HC4053F
MC74HC4538AF
SN74ALS153NS
TC74HCT86AF
TC74HC4053AF
TC74HC4053F
TDA4665T/V5-118



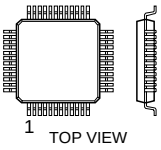
16 pin SOP

CXA2016S



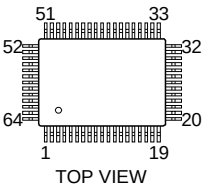
22 pin DIP

CXA2068Q
CXD2075Q
EPF6016QC208-2

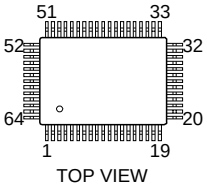


208 pin QFP

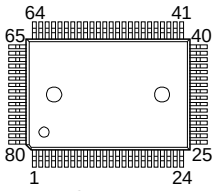
CXA2069Q
CXD854P60Q-1



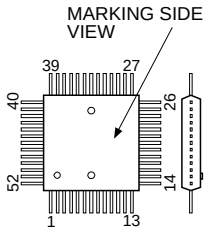
CXA2069Q
CXP854P60Q-1



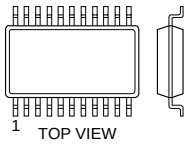
CXA2101AQ
CXD2303AQ
CXD2453Q



CXA211R

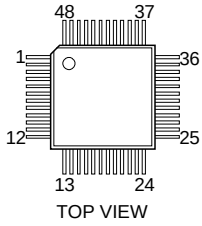


CXA2119M
MN47V77ST1

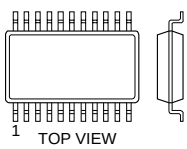


28 pin SOP

CXA3026AQ
CXA3106AQ-T6
CXA3197R
CXD2064Q-T6

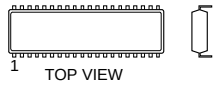


EL2160CS-TE2
NJM2904E
NJM2904M
NJM4558E (TE2)
OPA658U/2K5
TC4W66FU
TC7WH241FU
TC7WT241FU
24LC21AT/SN
24LC21T/SN



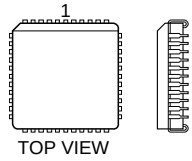
8 pin SOP

EPC1PC8
M24C02-MN6T
M24C04-MN6T
M24C16-MN6T
µPC4558C



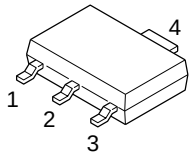
8 pin DIP

EPM7064LC44-SX6
EPM7064LC44-SX604

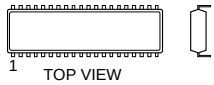


44 pin QFJ

LM337IMP

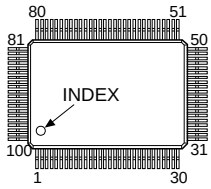


LSC4548P2

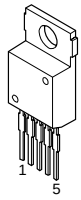


16 pin DIP

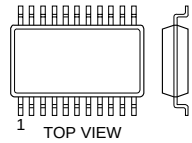
MB94918-APOLLO
µPD64081 BGF-38A



MC14052BF

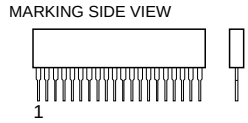


MC74HC00AFEL
MC74HC4066F
TC74HCT04AF
TC74HCT08AF
TLC2932IPW
TLC2933IPW-E20
TL074CPW
74VHC04SJ
74VHC04SJX
74VHC14SJX



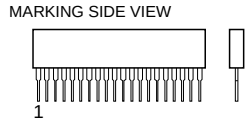
14 pin SOP

MN1280-S



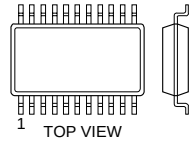
3 pin SIP

MZ1540



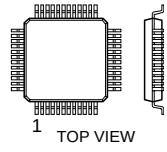
10 pin SIP

M52758FP



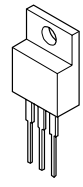
36 pin SOP

M6370GP-650D

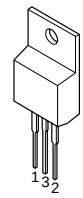


48 pin QFP

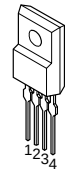
NJM78M12DLA(TE1)
PQ09RF21
TOP222Y-BB



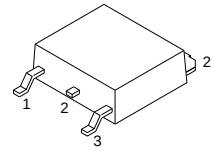
NJM7905FA



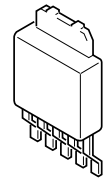
PQ05RF11
PQ05RF21
PQ30RV11
PQ30RV31



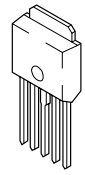
PQ05SZ1U



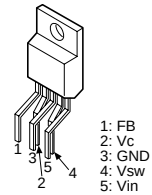
PQ05TZ1U



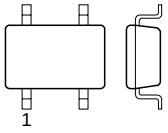
PQ3TZ53U



PQ20VZ1U
PQ20VZ5U

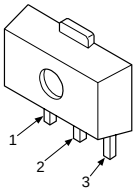


PST9143NL
S-80727-SN-DQ-T1
TC4S30F
TC7SET04FU
TC7SHU04FU

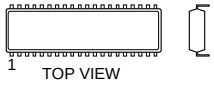


5 pin CHIP

S-80743AL-A7-S
S-80743AL-A7-T1

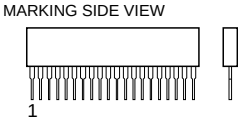


TA8776N



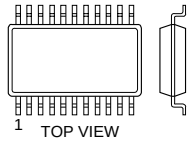
30 pin DIP

TC7SH04F
TC7SH04FU



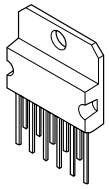
5 pin SIP

TC74HCT244AF
µPD6221GS-E2

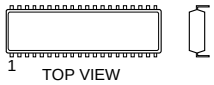


20 pin SOP

TDA2009A

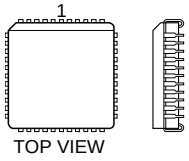


TDA9143/N1



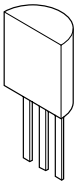
32 pin DIP

WS57C010F-45J

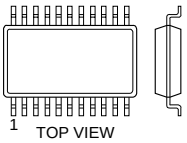


32 pin QFJ

µPD1093J-1-T

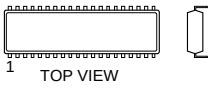


µPD659AGS-E2



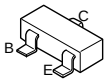
24 pin SOP

µPD424210LE-A-E2
µPD424210LE-E2

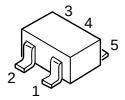


40 pin DIP

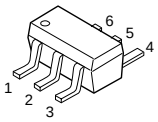
DTA114EK-T146
DTC144EKA
DTC314TK-T-146
DTC314TK04
2SA1037K-T-146-QR
2SA1162-G
2SB709A-QRS-TX
2SC1623-L5L6
2SC2412K-T-146-QR
2SC3545-T1T43
2SC3545-T43
2SD601A-Q
2SD601A-QRS-TX



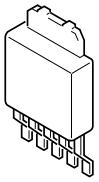
FMS1
FMS1-T-148



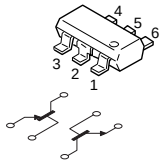
HN1B01FU-TE85R



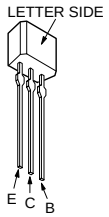
MX0541B-F



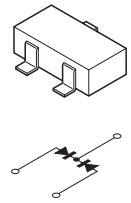
XN4601



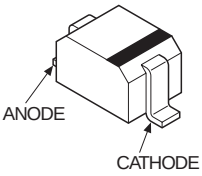
2SA1175-HFE
2SA1309A-QRSTA
2SC2785-HFE
2SC3311A-QRSTA



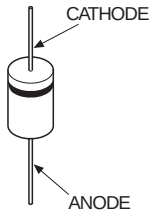
DAN202K



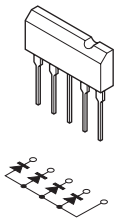
DTZ-TT11-5.1B
DTZ5.1B
MA111-TX
MA8039
RD5.6SB-T1
RD5.6S-B
UDZ-TE-17-3.9B



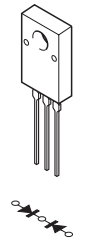
D1NL20U



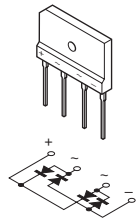
D10SBS4
D10SBS4F



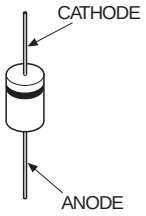
D10SC4M
D10SC6M
D10SC9M



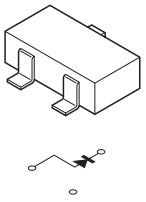
D6SB60L



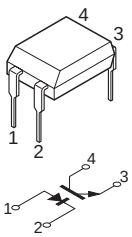
ERC04-06SE
RGP10JPKG23
S3L20UF4



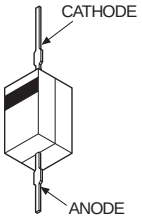
MA3100-TX
02CZ10-TE85L
02CZ3.3-TE85L



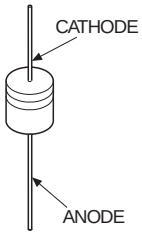
PC123F2
PC123FY2



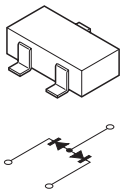
P6KE200AG23



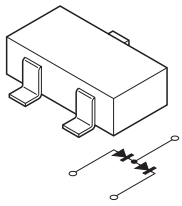
RD12ES-B2
RD15ES-B3
RD6.8ES-B2
RD7.5ES-B1
RD8.2ES-B2
1SS119-25
1SS119-25TD
11ES2-B2



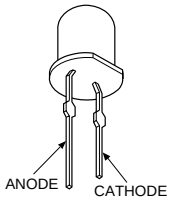
STZ6.8N-T146



1PS226-115



TLG124A
TLO124



SECTION 6
EXPLODED VIEWS

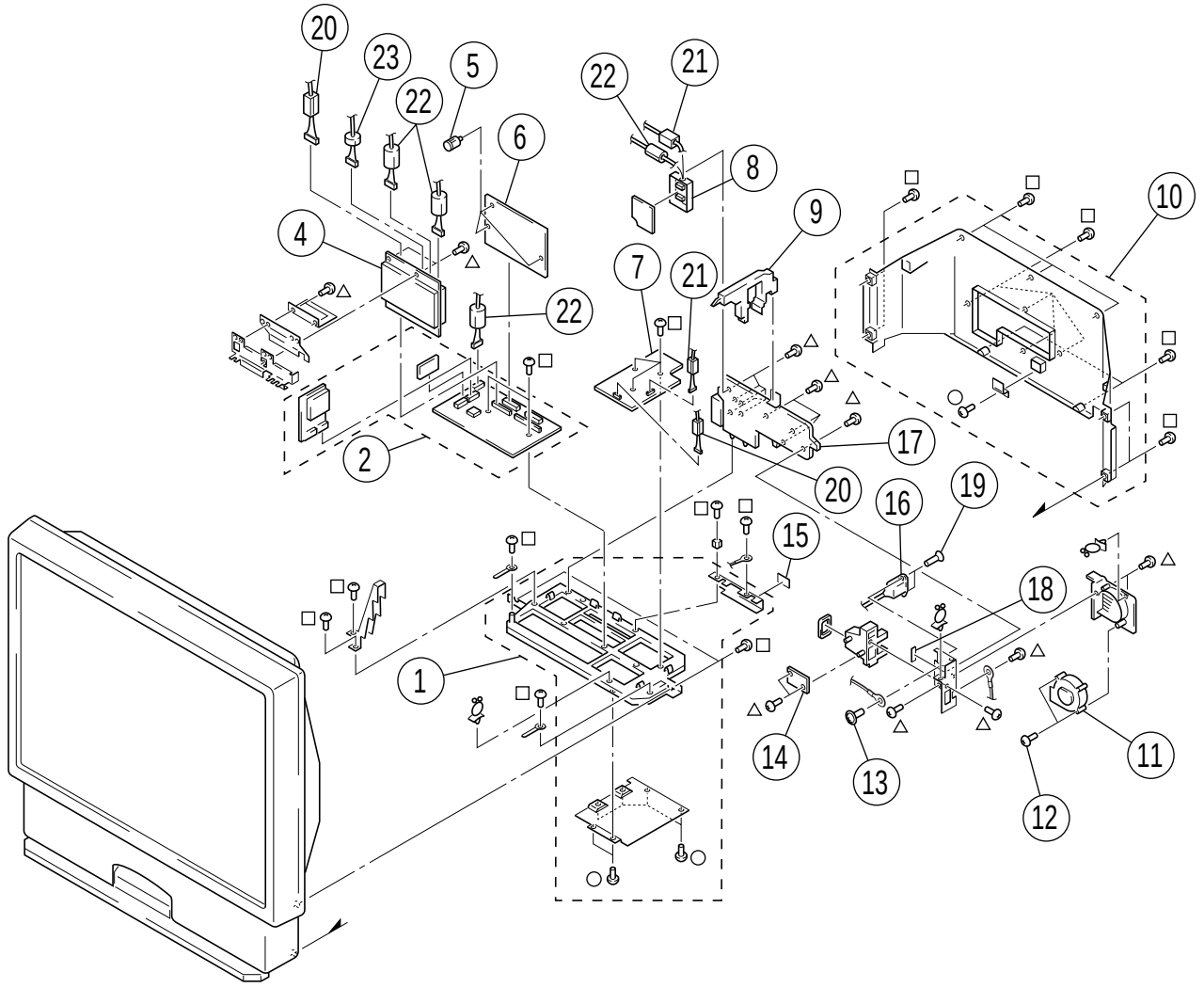
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

6-1. CHASSIS SECTION

○: 7-685-661-14 SCREW +BV 4X12
△: 7-685-648-79 SCREW +BV 3X12
π : 7-685-663-79 SCREW +BV 4X16



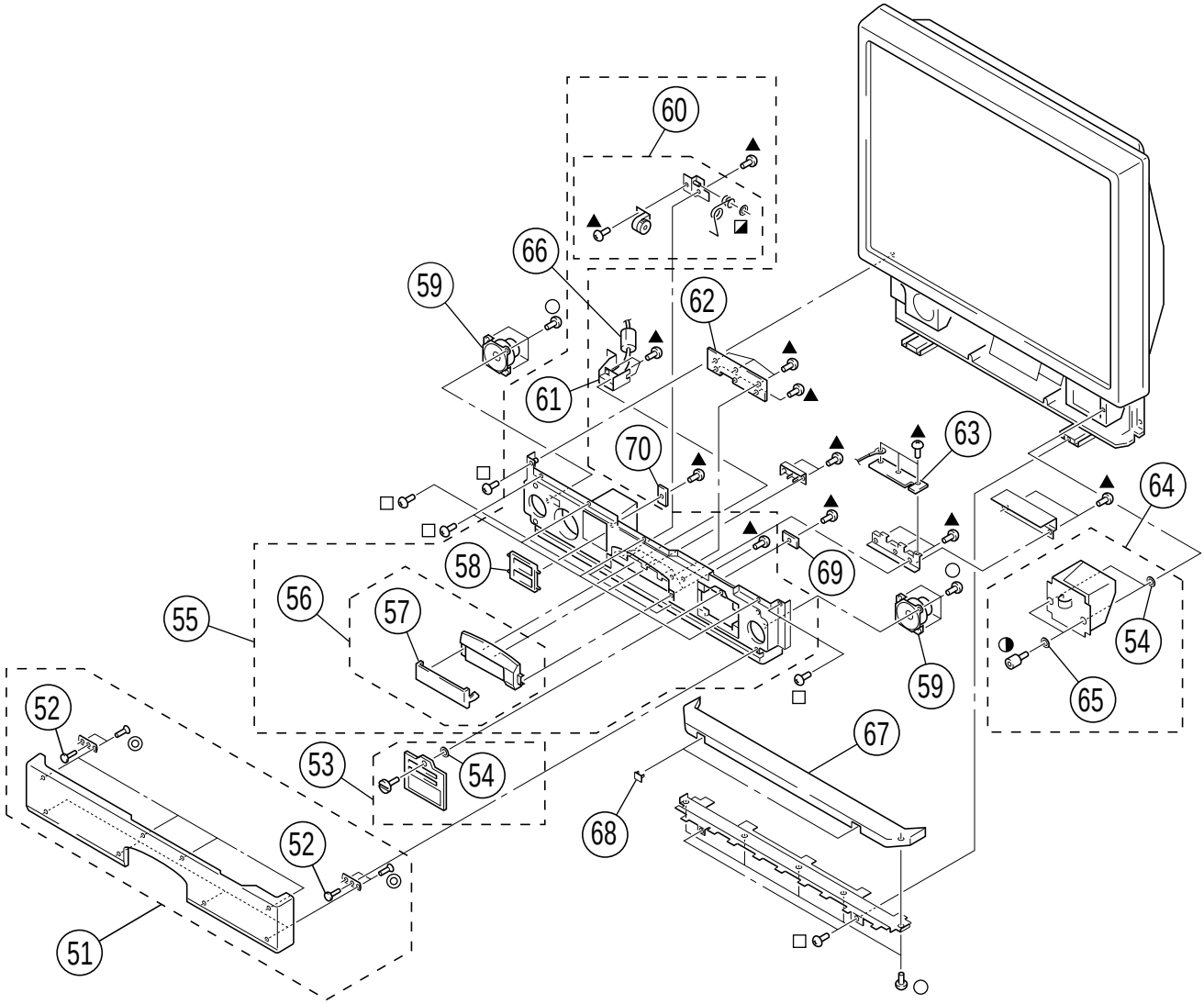
REF.NO.	PART NO.	DESCRIPTION	REMARK
1	*A-4036-513-1	BLACKET, MAIN ASSY	
2	*A-1501-559-A	A/PK/BD BOARD, COMPLETE (US, Canadian)	
2	*A-1501-560-A	A/PK/BD BOARD, COMPLETE (AEP, E)	
4	*A-1135-968-A	BB BOARD, COMPLETE	
5	*3-687-542-41	SPACER, PC BOARD SPACE	
6	*A-1373-712-A	U BOARD, COMPLETE	
7	*A-1311-718-A	G BOARD, COMPLETE	
8	1-694-518-11	TERMINAL BOARD ASSY, INPUT	
9	*4-069-312-01	HOLDER, BB	
10	*X-4036-477-1	COVER ASSY, REAR	
11	⚠1-418-257-11	FAN UNIT, DC	
12	4-068-057-01	SCREW (4X45), PWH TAPPING	
13	4-389-025-01	SCREW (M4) (EXT TOOTH WASHER)	
14	*A-1241-353-A	FR BOARD, COMPLETE	
15	4-069-459-01	SHEET, AC GROMMET	
16	⚠1-785-786-11	INLET, AC 3P (WITH NOISE FILTER)	
17	*4-069-309-01	BRACKET (M), U	
18	3-831-441-11	CUSHION	
19	4-052-345-01	SCREW, (3X8) (+K), TAPPING	
20	1-500-037-11	CORE, FERRITE (WITH CASE)	
21	1-543-653-11	CORE ASSY, BEAD (DEVISION TYPE)	
22	1-500-021-11	CLAMP, SLEEVE FERRITE	
23	1-543-982-11	CORE, FERRITE	

6-2. FRONT SECTION

▲: 7-685-646-79 SCREW +BV 3X8
◪: 7-624-105-04 TYPE-E STOP RING 2.3
○: 7-685-661-14 SCREW +BV 4X12
◑: 7-683-421-04 HEXAGON SOCKET BOLT 4X12
◎: 7-685-245-19 SCREW +K 3X6
π : 7-685-663-79 SCREW +BV 4X16

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

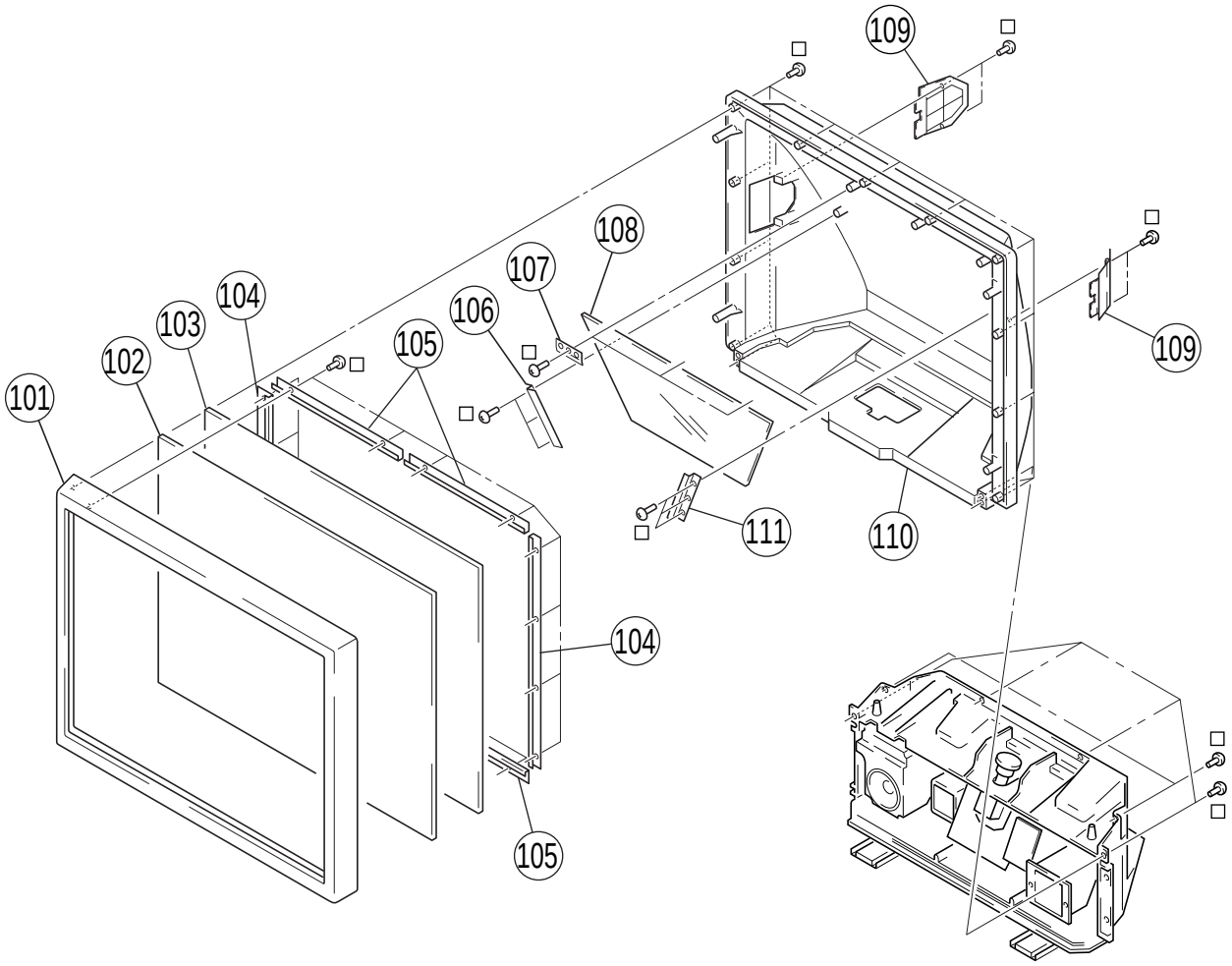
Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.



REF.NO.	PART NO.	DESCRIPTION	REMARK
51	* X-4036-481-1	GRILLE ASSY, SP	52
52	4-838-452-00	STRIKE	
53	* X-4036-474-1	DOOR ASSY, LAMP	54
54	* 3-650-537-00	WASHER	
55	* X-4036-478-1	COVER ASSY, FRONT	56, 58, 60
56	* X-4036-476-1	PANEL ASSY, CONTROL	57
57	4-061-878-51	DOOR	
58	4-061-853-01	FILTER	
59	1-505-809-11	SPEAKER (10CM)	
60	X-4035-065-1	DAMPER ASSY	
61	1-694-517-11	TERMINAL BOARD ASSY, I/O	
62	* A-1372-558-A	HB BOARD, COMPLETE	
63	* A-1372-557-A	HA BOARD, COMPLETE	
64	⚠ A-1501-092-A	LAMP BLOCK ASSY (AEP)	54, 65
64	⚠ A-1501-247-A	LAMP BLOCK ASSY (US, Canadian)	54, 65
64	⚠ A-1501-487-A	LAMP BLOCK ASSY (E)	54, 65
65	3-901-261-01	WASHER	
66	1-543-653-11	CORE ASSY, BEAD (DEVISION TYPE)	
67	4-067-326-01	PEDESTAL	
68	4-067-319-01	COVER	
69	* A-1390-904-A	TA BOARD, COMPLETE	
70	* A-1390-905-A	TB BOARD, COMPLETE	

6-3. SCREEN MIRROR SECTION

π : 7-685-663-79 SCREW +BV 4X16



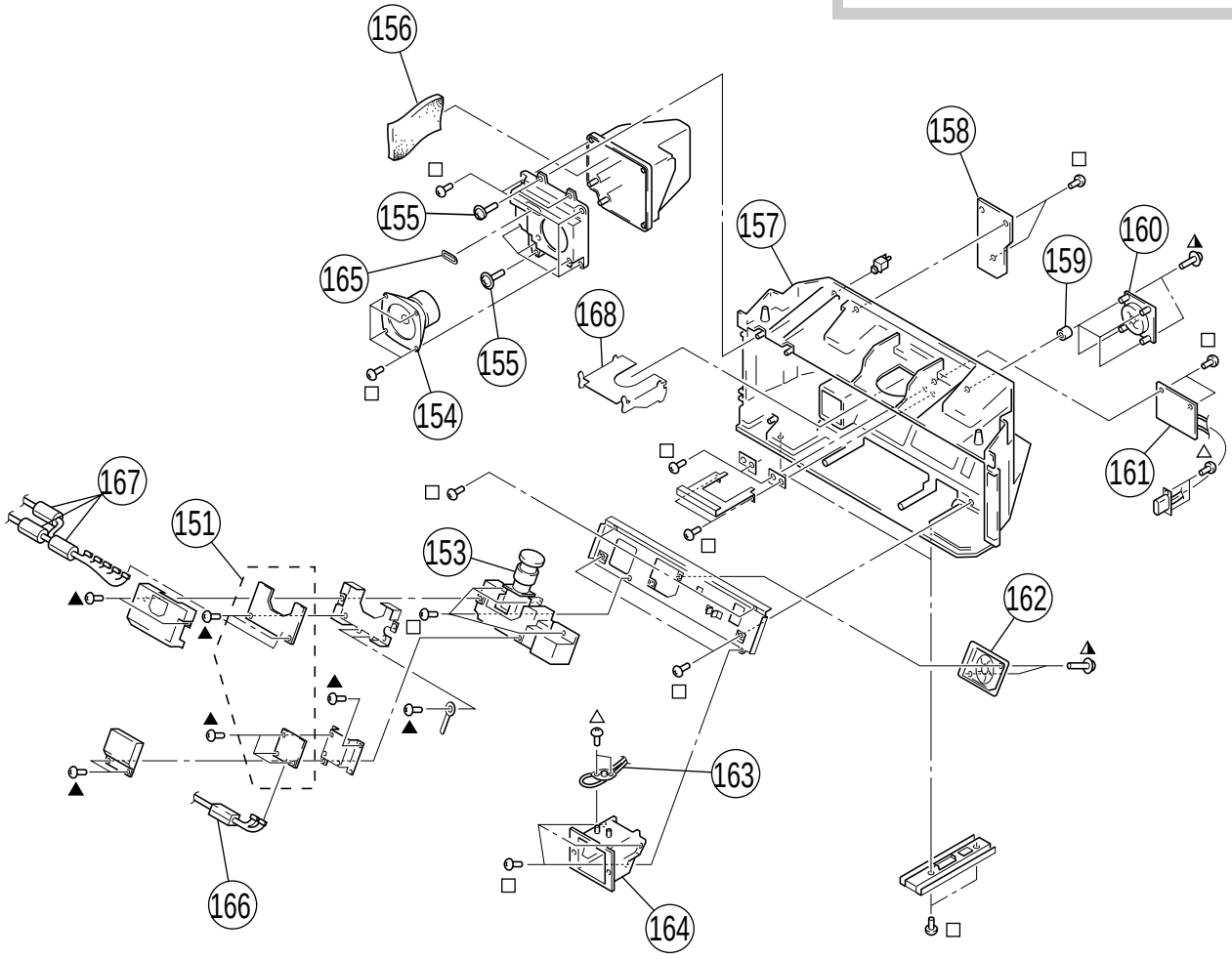
REF.NO.	PART NO.	DESCRIPTION	REMARK
101	* X-4036-482-1	FRAME ASSY, SCREEN	
102	4-067-947-11	PLATE (L), DIFFUSION	
103	4-067-948-11	PLATE (F), DIFFUSION	
104	* 4-069-057-01	HOLDER, SCREEN	
105	* 4-061-879-01	HOLDER, SCREEN	
106	* 4-069-056-01	HOLDER (L), MIRROR	
107	* 4-051-296-01	HOLDER, MIRROR	
108	4-069-117-01	MIRROR	
109	* 4-061-898-11	COVER (43), SERVICE	
110	* 4-069-054-01	COVER, MIRROR	
111	* 4-069-055-01	HOLDER (R), MIRROR	

6-4. OPTICS SECTION

◮: 7-685-167-19 SCREW (WASHER HEAD) +P 4X35
△: 7-685-648-79 SCREW +BV 3X12
π : 7-685-663-79 SCREW +BV 4X16
▲: 7-685-646-79 SCREW +BV 3X8

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.



REF.NO.		PART NO.	DESCRIPTION	REMARK
151	*	A-1501-562-A	C/CU BOARD, COMPLET	
153	⚠	A-1501-375-A	OPTICS UNIT ASSY	
154		1-505-810-11	SPEAKER (12CM)	
155		4-384-096-01	SCREW (4X16), TAPPING, +P	
156		4-062-421-01	ABSORBENT, SOUND	
157	*	X-4036-479-1	CABINET ASSY	
158	*	A-1380-602-A	K BOARD, COMPLETE	
159		4-062-617-01	DAMPER, FAN	
160	⚠	1-698-696-21	FAN, DC	
161	⚠	1-473-545-13	POWER BLOCK	
162	⚠	1-763-291-11	FAN, DC	
163		1-533-746-11	THERMOSTAT	
164	*	4-051-343-01	BASE, LAMP	
165		4-062-578-01	CUTION (BAFFULE)	
166		1-543-653-11	CORE ASSY, BEAD (DEVISIN TYPE)	
167		1-500-021-11	CLAMP, SLEEV FERRITE	
168	*	4-070-105-01	PLATE, LIGHT INTERCEPTION	

SECTION 7
ELECTRICAL PARTS LIST

BB

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

RESISTORS
- All resistors are in ohms
- F : nonflammable

- CAPACITORS
  MF: μF
- COILS
  UH: μH, MMF: mH

REF.NO.	PART NO.	DESCRIPTION			REMARK
*	A-1135-968-A	BB BOARD, COMPLETE			
		**********			
	1-526-652-21	SOCKET, IC (DP) 8P (IC4300)			
		<CAPACITOR>			
C4000	1-164-346-11	CERAMIC CHIP 1MF			16V
C4001	1-164-346-11	CERAMIC CHIP 1MF			16V
C4002	1-164-346-11	CERAMIC CHIP 1MF			16V
C4003	1-164-346-11	CERAMIC CHIP 1MF			16V
C4004	1-164-346-11	CERAMIC CHIP 1MF			16V
C4005	1-164-346-11	CERAMIC CHIP 1MF			16V
C4006	1-126-935-11	ELECT	470MF	20%	16V
C4007	1-164-346-11	CERAMIC CHIP 1MF			16V
C4008	1-164-346-11	CERAMIC CHIP 1MF			16V
C4009	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4010	1-164-346-11	CERAMIC CHIP 1MF			16V
C4011	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4013	1-164-346-11	CERAMIC CHIP 1MF			16V
C4015	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4016	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4017	1-164-346-11	CERAMIC CHIP 1MF			16V
C4018	1-164-346-11	CERAMIC CHIP 1MF			16V
C4019	1-164-346-11	CERAMIC CHIP 1MF			16V
C4020	1-164-346-11	CERAMIC CHIP 1MF			16V
C4021	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4022	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4023	1-164-346-11	CERAMIC CHIP 1MF			16V
C4024	1-164-346-11	CERAMIC CHIP 1MF			16V
C4025	1-164-346-11	CERAMIC CHIP 1MF			16V
C4026	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4027	1-164-346-11	CERAMIC CHIP 1MF			16V
C4028	1-164-346-11	CERAMIC CHIP 1MF			16V
C4029	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4030	1-164-346-11	CERAMIC CHIP 1MF			16V
C4032	1-164-346-11	CERAMIC CHIP 1MF			16V
C4034	1-164-346-11	CERAMIC CHIP 1MF			16V
C4035	1-164-346-11	CERAMIC CHIP 1MF			16V
C4036	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4038	1-164-346-11	CERAMIC CHIP 1MF			16V
C4039	1-164-346-11	CERAMIC CHIP 1MF			16V
C4040	1-164-346-11	CERAMIC CHIP 1MF			16V
C4041	1-164-346-11	CERAMIC CHIP 1MF			16V
C4042	1-164-346-11	CERAMIC CHIP 1MF			16V
C4043	1-164-346-11	CERAMIC CHIP 1MF			16V
C4044	1-164-346-11	CERAMIC CHIP 1MF			16V
C4100	1-164-346-11	CERAMIC CHIP 1MF			16V
C4101	1-164-346-11	CERAMIC CHIP 1MF			16V
C4102	1-164-346-11	CERAMIC CHIP 1MF			16V
C4103	1-164-346-11	CERAMIC CHIP 1MF			16V
C4104	1-164-346-11	CERAMIC CHIP 1MF			16V
C4105	1-164-346-11	CERAMIC CHIP 1MF			16V
C4106	1-126-935-11	ELECT	470MF	20%	16V
C4107	1-164-346-11	CERAMIC CHIP 1MF			16V
C4108	1-164-346-11	CERAMIC CHIP 1MF			16V
C4109	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4110	1-164-346-11	CERAMIC CHIP 1MF			16V
C4111	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4112	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4113	1-164-346-11	CERAMIC CHIP 1MF			16V
C4115	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4116	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4117	1-164-346-11	CERAMIC CHIP 1MF			16V
C4118	1-164-346-11	CERAMIC CHIP 1MF			16V
C4119	1-164-346-11	CERAMIC CHIP 1MF			16V
C4120	1-164-346-11	CERAMIC CHIP 1MF			16V
C4121	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4122	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4123	1-164-346-11	CERAMIC CHIP 1MF			16V
C4124	1-164-346-11	CERAMIC CHIP 1MF			16V
C4125	1-164-346-11	CERAMIC CHIP 1MF			16V
C4126	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4127	1-164-346-11	CERAMIC CHIP 1MF			16V
C4128	1-164-346-11	CERAMIC CHIP 1MF			16V
C4129	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4130	1-164-346-11	CERAMIC CHIP 1MF			16V
C4131	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4132	1-164-346-11	CERAMIC CHIP 1MF			16V
C4133	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4134	1-164-346-11	CERAMIC CHIP 1MF			16V
C4135	1-164-346-11	CERAMIC CHIP 1MF			16V
C4136	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4138	1-164-346-11	CERAMIC CHIP 1MF			16V
C4139	1-164-346-11	CERAMIC CHIP 1MF			16V

BB

REF.NO.	PART NO.	DESCRIPTION			REMARK
C4140	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4141	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4142	1-164-346-11	CERAMIC CHIP 1MF			16V
C4143	1-164-346-11	CERAMIC CHIP 1MF			16V
C4144	1-164-346-11	CERAMIC CHIP 1MF			16V
C4145	1-164-346-11	CERAMIC CHIP 1MF			16V
C4146	1-164-346-11	CERAMIC CHIP 1MF			16V
C4200	1-164-346-11	CERAMIC CHIP 1MF			16V
C4201	1-164-346-11	CERAMIC CHIP 1MF			16V
C4202	1-164-346-11	CERAMIC CHIP 1MF			16V
C4203	1-164-346-11	CERAMIC CHIP 1MF			16V
C4204	1-164-346-11	CERAMIC CHIP 1MF			16V
C4205	1-164-346-11	CERAMIC CHIP 1MF			16V
C4206	1-126-935-11	ELECT	470MF	20%	16V
C4207	1-164-346-11	CERAMIC CHIP 1MF			16V
C4208	1-164-346-11	CERAMIC CHIP 1MF			16V
C4209	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4210	1-164-346-11	CERAMIC CHIP 1MF			16V
C4211	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4213	1-164-346-11	CERAMIC CHIP 1MF			16V
C4215	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4216	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4217	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4218	1-164-346-11	CERAMIC CHIP 1MF			16V
C4219	1-164-346-11	CERAMIC CHIP 1MF			16V
C4220	1-164-346-11	CERAMIC CHIP 1MF			16V
C4221	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4222	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4223	1-164-346-11	CERAMIC CHIP 1MF			16V
C4224	1-164-346-11	CERAMIC CHIP 1MF			16V
C4225	1-164-346-11	CERAMIC CHIP 1MF			16V
C4226	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4227	1-164-346-11	CERAMIC CHIP 1MF			16V
C4228	1-164-346-11	CERAMIC CHIP 1MF			16V
C4229	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4230	1-164-346-11	CERAMIC CHIP 1MF			16V
C4232	1-164-346-11	CERAMIC CHIP 1MF			16V
C4234	1-164-346-11	CERAMIC CHIP 1MF			16V
C4235	1-164-346-11	CERAMIC CHIP 1MF			16V
C4236	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4238	1-164-346-11	CERAMIC CHIP 1MF			16V
C4239	1-164-346-11	CERAMIC CHIP 1MF			16V
C4240	1-164-346-11	CERAMIC CHIP 1MF			16V
C4241	1-164-346-11	CERAMIC CHIP 1MF			16V
C4242	1-164-346-11	CERAMIC CHIP 1MF			16V
C4243	1-164-346-11	CERAMIC CHIP 1MF			16V
C4244	1-164-346-11	CERAMIC CHIP 1MF			16V
C4300	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4301	1-164-346-11	CERAMIC CHIP 1MF			16V
C4302	1-164-346-11	CERAMIC CHIP 1MF			16V
C4303	1-164-346-11	CERAMIC CHIP 1MF			16V
C4304	1-164-346-11	CERAMIC CHIP 1MF			16V
C4305	1-164-346-11	CERAMIC CHIP 1MF			16V
C4306	1-164-346-11	CERAMIC CHIP 1MF			16V
C4307	1-164-346-11	CERAMIC CHIP 1MF			16V
C4308	1-164-346-11	CERAMIC CHIP 1MF			16V
C4309	1-164-346-11	CERAMIC CHIP 1MF			16V
C4310	1-164-346-11	CERAMIC CHIP 1MF			16V
C4311	1-164-346-11	CERAMIC CHIP 1MF			16V
C4312	1-164-346-11	CERAMIC CHIP 1MF			16V
C4313	1-164-346-11	CERAMIC CHIP 1MF			16V
C4314	1-164-346-11	CERAMIC CHIP 1MF			16V
C4315	1-164-346-11	CERAMIC CHIP 1MF			16V
C4316	1-164-346-11	CERAMIC CHIP 1MF			16V
C4317	1-164-346-11	CERAMIC CHIP 1MF			16V
C4318	1-164-346-11	CERAMIC CHIP 1MF			16V
C4319	1-164-346-11	CERAMIC CHIP 1MF			16V
C4320	1-164-346-11	CERAMIC CHIP 1MF			16V
C4321	1-164-346-11	CERAMIC CHIP 1MF			16V
C4322	1-164-346-11	CERAMIC CHIP 1MF			16V
C4323	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4324	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4325	1-164-346-11	CERAMIC CHIP 1MF			16V
C4326	1-164-346-11	CERAMIC CHIP 1MF			16V
C4327	1-164-346-11	CERAMIC CHIP 1MF			16V
C4328	1-164-346-11	CERAMIC CHIP 1MF			16V
C4329	1-164-346-11	CERAMIC CHIP 1MF			16V
C4330	1-164-346-11	CERAMIC CHIP 1MF			16V
C4331	1-164-346-11	CERAMIC CHIP 1MF			16V
C4332	1-164-346-11	CERAMIC CHIP 1MF			16V
C4333	1-164-346-11	CERAMIC CHIP 1MF			16V
C4334	1-164-346-11	CERAMIC CHIP 1MF			16V
C4335	1-164-346-11	CERAMIC CHIP 1MF			16V
C4336	1-164-346-11	CERAMIC CHIP 1MF			16V
C4337	1-164-346-11	CERAMIC CHIP 1MF			16V
C4338	1-164-346-11	CERAMIC CHIP 1MF			16V
C4339	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4340	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4341	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4342	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4343	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4344	1-164-346-11	CERAMIC CHIP 1MF			16V
C4345	1-164-346-11	CERAMIC CHIP 1MF			16V
C4346	1-164-346-11	CERAMIC CHIP 1MF			16V
C4347	1-164-346-11	CERAMIC CHIP 1MF			16V
C4348	1-164-346-11	CERAMIC CHIP 1MF			16V
C4349	1-164-346-11	CERAMIC CHIP 1MF			16V
C4350	1-164-346-11	CERAMIC CHIP 1MF			16V
C4351	1-164-346-11	CERAMIC CHIP 1MF			16V
C4352	1-164-346-11	CERAMIC CHIP 1MF			16V
C4353	1-164-346-11	CERAMIC CHIP 1MF			16V
C4356	1-163-229-11	CERAMIC CHIP 12PF		5%	50V
C4357	1-164-346-11	CERAMIC CHIP 1MF			16V
C4358	1-164-346-11	CERAMIC CHIP 1MF			16V
C4359	1-163-229-11	CERAMIC CHIP 12PF		5%	50V
C4360	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4361	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4362	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4363	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4364	1-164-346-11	CERAMIC CHIP 1MF			16V
C4365	1-164-346-11	CERAMIC CHIP 1MF			16V
C4366	1-164-346-11	CERAMIC CHIP 1MF			16V

BB

REF.NO.	PART NO.	DESCRIPTION			REMARK
C4367	1-164-346-11	CERAMIC CHIP 1MF			16V
C4368	1-163-251-11	CERAMIC CHIP 100PF		5%	50V
C4369	1-164-346-11	CERAMIC CHIP 1MF			16V
C4370	1-163-251-11	CERAMIC CHIP 100PF		5%	50V
C4371	1-164-346-11	CERAMIC CHIP 1MF			16V
C4372	1-163-021-91	CERAMIC CHIP 0.01MF		10%	50V
C4373	1-163-021-91	CERAMIC CHIP 0.01MF		10%	50V
C4374	1-110-501-11	CERAMIC CHIP 0.33MF		10%	16V
C4375	1-110-501-11	CERAMIC CHIP 0.33MF		10%	16V
C4376	1-163-143-00	CERAMIC CHIP 0.0012MF		5%	50V
C4377	1-163-143-00	CERAMIC CHIP 0.0012MF		5%	50V
C4378	1-164-346-11	CERAMIC CHIP 1MF			16V
C4379	1-164-346-11	CERAMIC CHIP 1MF			16V
C4380	1-164-346-11	CERAMIC CHIP 1MF			16V
C4381	1-164-346-11	CERAMIC CHIP 1MF			16V
C4382	1-163-017-00	CERAMIC CHIP 0.0047MF		10%	50V
C4383	1-163-259-91	CERAMIC CHIP 220PF		5%	50V
C4384	1-163-259-91	CERAMIC CHIP 220PF		5%	50V
C4390	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4391	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4392	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4393	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4700	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4701	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4702	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4703	1-164-346-11	CERAMIC CHIP 1MF			16V
C4704	1-113-500-11	TANTAL. CHIP	100MF	20%	10V
C4705	1-164-346-11	CERAMIC CHIP 1MF			16V
C4706	1-126-935-11	ELECT	470MF	20%	16V
C4707	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4708	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4709	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4710	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4711	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4712	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4713	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4714	1-164-004-11	CERAMIC CHIP 0.1MF		10%	25V
C4715	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4716	1-126-395-11	ELECT CHIP	22MF	20%	16V
C4717	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4718	1-164-004-11	CERAMIC CHIP 0.1MF		10%	25V
C4719	1-164-004-11	CERAMIC CHIP 0.1MF		10%	25V
C4720	1-126-395-11	ELECT CHIP	22MF	20%	16V
C4721	1-163-021-91	CERAMIC CHIP 0.01MF		10%	50V
C4722	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4723	1-164-004-11	CERAMIC CHIP 0.1MF		10%	25V
C4724	1-164-004-11	CERAMIC CHIP 0.1MF		10%	25V
C4725	1-126-395-11	ELECT CHIP	22MF	20%	16V
C4726	1-164-004-11	CERAMIC CHIP 0.1MF		10%	25V
C4727	1-164-004-11	CERAMIC CHIP 0.1MF		10%	25V
C4728	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4729	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4730	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4732	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4733	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4734	1-126-935-11	ELECT	470MF	20%	16V
C4735	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4737	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4738	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4739	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4740	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4742	1-126-601-11	ELECT CHIP	2.2MF	20%	50V
C4743	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4744	1-164-489-11	CERAMIC CHIP 0.22MF		10%	16V
C4745	1-164-489-11	CERAMIC CHIP 0.22MF		10%	16V
C4746	1-115-419-11	CERAMIC CHIP 3300PF		5%	25V
C4747	1-126-601-11	ELECT CHIP	2.2MF	20%	50V
C4748	1-164-489-11	CERAMIC CHIP 0.22MF		10%	16V
C4749	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4750	1-164-489-11	CERAMIC CHIP 0.22MF		10%	16V
C4751	1-126-193-11	ELECT CHIP	1MF	20%	50V
C4752	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4753	1-164-004-11	CERAMIC CHIP 0.1MF		10%	25V
C4754	1-163-021-91	CERAMIC CHIP 0.01MF		10%	50V
C4755	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4773	1-164-004-11	CERAMIC CHIP 0.1MF		10%	25V
C4774	1-164-004-11	CERAMIC CHIP 0.1MF		10%	25V
C4775	1-164-004-11	CERAMIC CHIP 0.1MF		10%	25V
C4776	1-164-346-11	CERAMIC CHIP 1MF			16V
C4777	1-113-500-11	TANTAL. CHIP	100MF	20%	10V
C4778	1-164-004-11	CERAMIC CHIP 0.1MF		10%	25V
C4779	1-164-346-11	CERAMIC CHIP 1MF			16V
C4780	1-126-935-11	ELECT	470MF	20%	16V
C4787	1-124-779-00	ELECT CHIP	10MF	20%	16V
C4788	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4789	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4790	1-126-204-11	ELECT CHIP	47MF	20%	16V
C4794	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4797	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4798	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4799	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4800	1-164-222-11	CERAMIC CHIP 0.22MF			25V
C4801	1-164-222-11	CERAMIC CHIP 0.22MF			25V
C4802	1-164-222-11	CERAMIC CHIP 0.22MF			25V
C4803	1-164-222-11	CERAMIC CHIP 0.22MF			25V
C4805	1-127-515-11	ELECT	47MF	20%	10V
C4806	1-127-515-11	ELECT	47MF	20%	10V
C4807	1-127-515-11	ELECT	47MF	20%	10V
C4808	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4809	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4810	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4811	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4812	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4813	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4815	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4817	1-127-515-11	ELECT	47MF	20%	10V
C4818	1-127-515-11	ELECT	47MF	20%	10V
C4819	1-127-515-11	ELECT	47MF	20%	10V
C4820	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4821	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4822	1-117-681-11	ELECT CHIP	100MF	20%	16V
C4823	1-126-397-11	ELECT CHIP	33MF	20%	25V

BB

REF.NO.	PART NO.	DESCRIPTION			REMARK
C4831	1-164-344-11	CERAMIC CHIP 0.068MF	10%		25V
C4832	1-163-021-91	CERAMIC CHIP 0.01MF	10%		50V
C4833	1-126-204-11	ELECT CHIP 47MF	20%		16V
C4834	1-164-004-11	CERAMIC CHIP 0.1MF	10%		25V
C4837	1-124-779-00	ELECT CHIP 10MF	20%		16V
C4838	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4839	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4840	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4841	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4842	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4843	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4844	1-127-515-11	ELECT 47MF	20%		10V
C4845	1-127-515-11	ELECT 47MF	20%		10V
C4846	1-126-935-11	ELECT 470MF	20%		16V
C4847	1-127-515-11	ELECT 47MF	20%		10V
C4848	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4849	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4850	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4851	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4852	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4853	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4854	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4855	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4856	1-117-681-11	ELECT CHIP 100MF	20%		16V
C4857	1-117-681-11	ELECT CHIP 100MF	20%		16V
C4858	1-117-681-11	ELECT CHIP 100MF	20%		16V
C4859	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4860	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4861	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4862	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4863	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4864	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4865	1-126-940-11	ELECT 330MF	20%		25V
C4866	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4867	1-124-779-00	ELECT CHIP 10MF	20%		16V
C4868	1-164-346-11	CERAMIC CHIP 1MF			16V
C4869	1-164-346-11	CERAMIC CHIP 1MF			16V
C4871	1-124-779-00	ELECT CHIP 10MF	20%		16V
C4872	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4873	1-126-603-11	ELECT CHIP 4.7MF	20%		35V
C4874	1-164-004-11	CERAMIC CHIP 0.1MF	10%		25V
C4875	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4876	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4880	1-127-515-11	ELECT 47MF	20%		10V
C4881	1-164-222-11	CERAMIC CHIP 0.22MF			25V
C4882	1-127-515-11	ELECT 47MF	20%		10V
C4883	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C4888	1-117-681-11	ELECT CHIP 100MF	20%		16V
C4889	1-117-681-11	ELECT CHIP 100MF	20%		16V
C4890	1-117-681-11	ELECT CHIP 100MF	20%		16V
C4891	1-117-681-11	ELECT CHIP 100MF	20%		16V
C4892	1-117-681-11	ELECT CHIP 100MF	20%		16V
C4893	1-117-681-11	ELECT CHIP 100MF	20%		16V
C4900	1-126-935-11	ELECT 470MF	20%		16V
C4901	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4902	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4903	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4904	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4905	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4906	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4907	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4908	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4909	1-117-681-11	ELECT CHIP 100MF	20%		16V
C4910	1-117-681-11	ELECT CHIP 100MF	20%		16V
C4911	1-117-681-11	ELECT CHIP 100MF	20%		16V
C4912	1-117-681-11	ELECT CHIP 100MF	20%		16V
C4913	1-117-681-11	ELECT CHIP 100MF	20%		16V
C4914	1-117-681-11	ELECT CHIP 100MF	20%		16V
C4918	1-126-935-11	ELECT 470MF	20%		16V
C4919	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4920	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4921	1-117-720-11	CERAMIC CHIP 4.7MF			10V
C4922	1-117-720-11	CERAMIC CHIP 4.7MF			10V

<CONNECTOR>

CN4700*	1-564-527-11	PLUG, CONNECTOR	12P
CN4701*	1-564-527-11	PLUG, CONNECTOR	12P
CN4703*	1-564-513-11	PLUG, CONNECTOR	10P
CN4704*	1-564-520-11	PLUG, CONNECTOR	5P
CN4705*	1-564-525-11	PLUG, CONNECTOR	10P
CN4706	1-764-613-11	CONNECTOR, BOARD TO BOARD	20P
CN4707	1-766-391-11	CONNECTOR, BOARD TO BOARD	18P
CN4708	1-764-613-11	CONNECTOR, BOARD TO BOARD	20P
CN4710*	1-564-518-11	PLUG, CONNECTOR	3P

<DIODE>

D4700	8-719-062-51	DIODE 1PS226-115
D4701	8-719-062-51	DIODE 1PS226-115
D4702	8-719-062-51	DIODE 1PS226-115
D4703	8-719-062-51	DIODE 1PS226-115
D4704	8-719-062-51	DIODE 1PS226-115
D4705	8-719-062-51	DIODE 1PS226-115
D4706	8-719-062-51	DIODE 1PS226-115
D4707	8-719-062-51	DIODE 1PS226-115
D4708	8-719-062-51	DIODE 1PS226-115
D4709	8-719-062-51	DIODE 1PS226-115
D4710	8-719-976-99	ZENER DIODE DTZ5.1B
D4711	8-719-976-99	ZENER DIODE DTZ5.1B
D4712	8-719-976-99	ZENER DIODE DTZ5.1B
D4713	8-719-976-99	ZENER DIODE DTZ5.1B
D4714	8-719-976-99	ZENER DIODE DTZ5.1B
D4715	8-719-976-99	ZENER DIODE DTZ5.1B
D4716	8-719-404-50	DIODE MA111-TX
D4717	8-719-404-50	DIODE MA111-TX
D4718	8-719-404-50	DIODE MA111-TX
D4719	8-719-404-50	DIODE MA111-TX
D4720	8-719-062-51	DIODE 1PS226-115
D4721	8-719-062-51	DIODE 1PS226-115
D4722	8-719-062-51	DIODE 1PS226-115
D4723	8-719-062-51	DIODE 1PS226-115
D4724	8-719-062-51	DIODE 1PS226-115

REF.NO.	PART NO.	DESCRIPTION	REMARK
D4725	8-719-404-50	DIODE MA111-TX	
D4726	8-719-404-50	DIODE MA111-TX	
D4727	8-719-404-50	DIODE MA111-TX	
D4728	8-719-404-50	DIODE MA111-TX	
D4729	8-719-404-50	DIODE MA111-TX	
D4730	8-719-404-50	DIODE MA111-TX	
D4731	8-719-404-50	DIODE MA111-TX	
		<FILTER>	
FL4000	1-233-736-21	FILTER, EMI	
FL4100	1-233-736-21	FILTER, EMI	
FL4200	1-233-736-21	FILTER, EMI	
FL4701	1-233-736-21	FILTER, EMI	
FL4702	1-233-736-21	FILTER, EMI	
FL4703	1-233-736-21	FILTER, EMI	
FL4704	1-233-736-21	FILTER, EMI	
FL4705	1-233-736-21	FILTER, EMI	
FL4706	1-233-512-21	FERRITE	37UH
FL4707	1-233-512-21	FERRITE	37UH
FL4708	1-233-512-21	FERRITE	37UH
FL4709	1-233-512-21	FERRITE	37UH
FL4710	1-233-512-21	FERRITE	37UH
FL4711	1-233-512-21	FERRITE	37UH
FL4712	1-233-736-21	FILTER, EMI	
FL4713	1-233-736-21	FILTER, EMI	
FL4714	1-233-736-21	FILTER, EMI	
FL4715	1-233-736-21	FILTER, EMI	
FL4716	1-233-736-21	FILTER, EMI	
FL4720	1-233-830-11	FERRITE	37UH
FL4721	1-233-830-11	FERRITE	37UH
FL4722	1-233-830-11	FERRITE	37UH
FL4723	1-233-830-11	FERRITE	37UH
FL4724	1-233-830-11	FERRITE	37UH
		<IC>	
IC4000	8-752-389-03	IC CXD2068Q	
IC4001	8-752-075-69	IC CXA3026AQ	
IC4002	8-752-082-48	IC CXA3197R	
IC4100	8-752-389-03	IC CXD2068Q	
IC4101	8-752-075-69	IC CXA3026AQ	
IC4102	8-752-082-48	IC CXA3197R	
IC4103	8-759-272-27	IC 74VHC04SJ	
IC4200	8-752-389-03	IC CXD2068Q	
IC4201	8-752-075-69	IC CXA3026AQ	
IC4202	8-752-082-48	IC CXA3197R	
IC4300	8-759-569-97	IC EPC1PC8-BB1	
IC4301	8-759-522-52	IC EPF6016QC208-2	
IC4302	8-759-522-52	IC EPF6016QC208-2	
IC4303	8-759-272-27	IC 74VHC04SJ	
IC4304	8-759-352-91	IC PST9143NL	
IC4305	8-759-272-27	IC 74VHC04SJ	
IC4306	8-759-272-27	IC 74VHC04SJ	
IC4307	8-752-901-84	IC CXP854P60Q-1-026	
IC4308	8-752-086-21	IC CXA3106AQ-T6	
IC4309	8-752-086-21	IC CXA3106AQ-T6	
IC4312	8-759-478-92	IC TC7SET04FU(TE85R)	
IC4700	8-752-076-89	IC CXA2055P	
IC4702	8-759-541-25	IC M52758FP	
IC4703	8-759-541-25	IC M52758FP	
IC4704	8-752-073-52	IC CXA2016S	
IC4705	8-759-272-36	IC 74VHC14SJX	
IC4706	8-759-934-29	IC SN74ALS153NS	
IC4709	8-752-076-89	IC CXA2055P	
IC4711	8-759-388-31	IC PQ20VZ1U	
IC4713	8-759-157-22	IC PQ05TZ1U	
IC4714	8-759-157-22	IC PQ05TZ1U	
IC4715	8-759-157-22	IC PQ05TZ1U	
IC4719	8-759-576-94	IC LSC4548P2	
IC4720	8-759-442-20	IC 24LC21AT/SN	
IC4721	8-759-442-20	IC 24LC21AT/SN	
IC4722	8-759-577-22	IC OPA658U/2K5	
IC4723	8-759-577-22	IC OPA658U/2K5	
IC4724	8-759-577-22	IC OPA658U/2K5	
IC4725	8-759-577-22	IC OPA658U/2K5	
IC4726	8-759-577-22	IC OPA658U/2K5	
IC4727	8-759-577-22	IC OPA658U/2K5	
IC4728	8-759-388-31	IC PQ20VZ1U	
IC4729	8-759-388-31	IC PQ20VZ1U	
IC4730	8-759-568-67	IC LM337IMP	
IC4731	8-759-568-67	IC LM337IMP	
IC4732	8-759-042-02	IC S-80743AL-A7-S	
IC4734	8-759-157-22	IC PQ05TZ1U	
IC4735	8-759-527-77	IC M24C16-MN6T	
IC4736	8-759-448-64	IC EL2160CS-TE2	
IC4737	8-759-448-64	IC EL2160CS-TE2	
IC4738	8-759-448-64	IC EL2160CS-TE2	
IC4740*	8-759-524-24	IC TC7WT241FU(TE12R)	
IC4741*	8-759-524-24	IC TC7WT241FU(TE12R)	
IC4742	8-759-392-01	IC TC7SH86FU-TE85R	
IC4743*	8-759-524-25	IC TC7WH241FU(TE12R)	
		<COIL>	
L4001	1-412-028-11	INDUCTOR CHIP	4.7UH
L4002	1-412-029-11	INDUCTOR CHIP	10UH
L4003	1-412-028-11	INDUCTOR CHIP	4.7UH
L4004	1-412-032-11	INDUCTOR CHIP	100UH
L4005	1-412-032-11	INDUCTOR CHIP	100UH
L4101	1-412-028-11	INDUCTOR CHIP	4.7UH
L4102	1-412-029-11	INDUCTOR CHIP	10UH
L4103	1-412-028-11	INDUCTOR CHIP	4.7UH
L4104	1-412-032-11	INDUCTOR CHIP	100UH
L4105	1-412-032-11	INDUCTOR CHIP	100UH
L4106	1-412-028-11	INDUCTOR CHIP	4.7UH
L4107	1-412-028-11	INDUCTOR CHIP	4.7UH
L4201	1-412-028-11	INDUCTOR CHIP	4.7UH
L4202	1-412-029-11	INDUCTOR CHIP	10UH
L4203	1-412-028-11	INDUCTOR CHIP	4.7UH
L4204	1-412-032-11	INDUCTOR CHIP	100UH
L4205	1-412-032-11	INDUCTOR CHIP	100UH
L4300	1-412-028-11	INDUCTOR CHIP	4.7UH
L4301	1-412-028-11	INDUCTOR CHIP	4.7UH

BB

REF.NO.	PART NO.	DESCRIPTION	REMARK
L4302	1-412-028-11	INDUCTOR CHIP	4.7UH
L4303	1-412-028-11	INDUCTOR CHIP	4.7UH
L4304	1-412-028-11	INDUCTOR CHIP	4.7UH
L4305	1-412-028-11	INDUCTOR CHIP	4.7UH
L4306	1-412-028-11	INDUCTOR CHIP	4.7UH
L4307	1-412-028-11	INDUCTOR CHIP	4.7UH
L4308	1-412-028-11	INDUCTOR CHIP	4.7UH
L4309	1-412-028-11	INDUCTOR CHIP	4.7UH
L4310	1-412-028-11	INDUCTOR CHIP	4.7UH
L4311	1-412-028-11	INDUCTOR CHIP	4.7UH
L4312	1-412-028-11	INDUCTOR CHIP	4.7UH
L4313	1-412-028-11	INDUCTOR CHIP	4.7UH
L4700	1-412-028-11	INDUCTOR CHIP	4.7UH
L4701	1-412-029-11	INDUCTOR CHIP	10UH
L4702	1-412-028-11	INDUCTOR CHIP	4.7UH
L4703	1-412-028-11	INDUCTOR CHIP	4.7UH
L4704	1-412-028-11	INDUCTOR CHIP	4.7UH
L4705	1-412-028-11	INDUCTOR CHIP	4.7UH
L4706	1-412-033-11	INDUCTOR CHIP	220UH
L4707	1-412-028-11	INDUCTOR CHIP	4.7UH
L4708	1-412-028-11	INDUCTOR CHIP	4.7UH
L4709	1-412-028-11	INDUCTOR CHIP	4.7UH
L4711	1-412-029-11	INDUCTOR CHIP	10UH
L4712	1-412-029-11	INDUCTOR CHIP	10UH
L4714	1-412-029-11	INDUCTOR CHIP	10UH
L4715	1-412-029-11	INDUCTOR CHIP	10UH
L4716	1-412-029-11	INDUCTOR CHIP	10UH
L4717	1-412-029-11	INDUCTOR CHIP	10UH
L4719	1-412-032-11	INDUCTOR CHIP	100UH
L4720	1-412-028-11	INDUCTOR CHIP	4.7UH
L4721	1-412-028-11	INDUCTOR CHIP	4.7UH
L4725	1-412-032-11	INDUCTOR CHIP	100UH
L4727	1-412-028-11	INDUCTOR CHIP	4.7UH
L4728	1-412-028-11	INDUCTOR CHIP	4.7UH
L4730	1-412-033-11	INDUCTOR CHIP	220UH
L4731	1-412-033-11	INDUCTOR CHIP	220UH
L4732	1-412-033-11	INDUCTOR CHIP	220UH
L4733	1-412-029-11	INDUCTOR CHIP	10UH
L4734	1-412-032-11	INDUCTOR CHIP	100UH
L4735	1-412-032-11	INDUCTOR CHIP	100UH
L4736	1-412-032-11	INDUCTOR CHIP	100UH
L4737	1-412-032-11	INDUCTOR CHIP	100UH
L4738	1-412-032-11	INDUCTOR CHIP	100UH
L4739	1-412-032-11	INDUCTOR CHIP	100UH
L4740	1-412-029-11	INDUCTOR CHIP	10UH
		<TRANSISTOR>	
Q4100	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4101	8-729-216-22	TRANSISTOR 2SA1162-G	
Q4102	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4103	8-729-216-22	TRANSISTOR 2SA1162-G	
Q4301	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4706	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4707	8-729-027-23	TRANSISTOR DTA114EKA-T146	

REF.NO.	PART NO.	DESCRIPTION			REMARK
		<RESISTOR>			
R4000	1-216-025-91	RES, CHIP	100	5%	1/10W
R4001	1-216-025-91	RES, CHIP	100	5%	1/10W
R4002	1-216-001-00	RES, CHIP	10	5%	1/10W
R4003	1-216-001-00	RES, CHIP	10	5%	1/10W
R4009	1-216-033-00	RES, CHIP	220	5%	1/10W
R4010	1-216-033-00	RES, CHIP	220	5%	1/10W
R4011	1-216-295-91	SHORT	0		
R4014	1-216-295-91	SHORT	0		
R4015	1-216-295-91	SHORT	0		
R4022	1-216-295-91	SHORT	0		
R4023	1-216-295-91	SHORT	0		
R4025	1-216-001-00	RES, CHIP	10	5%	1/10W
R4036	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4040	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4046	1-216-295-91	SHORT	0		
R4049	1-216-295-91	SHORT	0		
R4050	1-216-295-91	SHORT	0		
R4052	1-216-295-91	SHORT	0		
R4054	1-216-295-91	SHORT	0		
R4056	1-216-033-00	RES, CHIP	220	5%	1/10W
R4057	1-216-033-00	RES, CHIP	220	5%	1/10W
R4066	1-216-033-00	RES, CHIP	220	5%	1/10W
R4067	1-216-033-00	RES, CHIP	220	5%	1/10W
R4068	1-216-033-00	RES, CHIP	220	5%	1/10W
R4069	1-216-033-00	RES, CHIP	220	5%	1/10W
R4070	1-216-295-91	SHORT	0		
R4071	1-216-295-91	SHORT	0		
R4072	1-216-295-91	SHORT	0		
R4073	1-216-295-91	SHORT	0		
R4074	1-216-025-91	RES, CHIP	100	5%	1/10W
R4075	1-216-001-00	RES, CHIP	10	5%	1/10W
R4076	1-216-025-91	RES, CHIP	100	5%	1/10W
R4077	1-216-025-91	RES, CHIP	100	5%	1/10W
R4079	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4080	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4085	1-216-295-91	SHORT	0		
R4100	1-216-025-91	RES, CHIP	100	5%	1/10W
R4101	1-216-025-91	RES, CHIP	100	5%	1/10W
R4102	1-216-001-00	RES, CHIP	10	5%	1/10W
R4103	1-216-001-00	RES, CHIP	10	5%	1/10W
R4111	1-216-295-91	SHORT	0		
R4112	1-216-061-00	RES, CHIP	3.3K	5%	1/10W
R4113	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4114	1-216-295-91	SHORT	0		
R4115	1-216-295-91	SHORT	0		
R4116	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4117	1-216-049-91	RES, CHIP	1K	5%	1/10W
R4122	1-216-295-91	SHORT	0		
R4123	1-216-295-91	SHORT	0		
R4125	1-216-001-00	RES, CHIP	10	5%	1/10W
R4136	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4138	1-216-069-00	RES, CHIP	6.8K	5%	1/10W
R4140	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4143	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R4146	1-216-295-91	SHORT	0		

BB

REF.NO.	PART NO.	DESCRIPTION			REMARK
R4147	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4148	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R4149	1-216-295-91	SHORT	0		
R4150	1-216-295-91	SHORT	0		
R4152	1-216-295-91	SHORT	0		
R4154	1-216-295-91	SHORT	0		
R4170	1-216-295-91	SHORT	0		
R4171	1-216-295-91	SHORT	0		
R4172	1-216-295-91	SHORT	0		
R4173	1-216-295-91	SHORT	0		
R4174	1-216-025-91	RES, CHIP	100	5%	1/10W
R4175	1-216-001-00	RES, CHIP	10	5%	1/10W
R4176	1-216-025-91	RES, CHIP	100	5%	1/10W
R4177	1-216-025-91	RES, CHIP	100	5%	1/10W
R4179	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4180	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4181	1-216-295-91	SHORT	0		
R4185	1-216-295-91	SHORT	0		
R4200	1-216-025-91	RES, CHIP	100	5%	1/10W
R4201	1-216-025-91	RES, CHIP	100	5%	1/10W
R4202	1-216-001-00	RES, CHIP	10	5%	1/10W
R4203	1-216-001-00	RES, CHIP	10	5%	1/10W
R4211	1-216-295-91	SHORT	0		
R4214	1-216-295-91	SHORT	0		
R4215	1-216-295-91	SHORT	0		
R4222	1-216-295-91	SHORT	0		
R4223	1-216-295-91	SHORT	0		
R4225	1-216-001-00	RES, CHIP	10	5%	1/10W
R4236	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4240	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4246	1-216-295-91	SHORT	0		
R4249	1-216-295-91	SHORT	0		
R4250	1-216-295-91	SHORT	0		
R4252	1-216-295-91	SHORT	0		
R4254	1-216-295-91	SHORT	0		
R4270	1-216-295-91	SHORT	0		
R4271	1-216-295-91	SHORT	0		
R4272	1-216-295-91	SHORT	0		
R4273	1-216-295-91	SHORT	0		
R4274	1-216-025-91	RES, CHIP	100	5%	1/10W
R4275	1-216-001-00	RES, CHIP	10	5%	1/10W
R4276	1-216-025-91	RES, CHIP	100	5%	1/10W
R4277	1-216-025-91	RES, CHIP	100	5%	1/10W
R4279	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4280	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4285	1-216-295-91	SHORT	0		
R4303	1-216-049-91	RES, CHIP	1K	5%	1/10W
R4304	1-216-049-91	RES, CHIP	1K	5%	1/10W
R4305	1-216-001-00	RES, CHIP	10	5%	1/10W
R4306	1-216-001-00	RES, CHIP	10	5%	1/10W
R4307	1-216-001-00	RES, CHIP	10	5%	1/10W
R4308	1-216-001-00	RES, CHIP	10	5%	1/10W
R4309	1-216-001-00	RES, CHIP	10	5%	1/10W
R4310	1-216-001-00	RES, CHIP	10	5%	1/10W
R4311	1-216-001-00	RES, CHIP	10	5%	1/10W
R4312	1-216-001-00	RES, CHIP	10	5%	1/10W
R4313	1-216-001-00	RES, CHIP	10	5%	1/10W
R4314	1-216-049-91	RES, CHIP	1K	5%	1/10W
R4315	1-216-001-00	RES, CHIP	10	5%	1/10W
R4316	1-216-001-00	RES, CHIP	10	5%	1/10W
R4317	1-216-001-00	RES, CHIP	10	5%	1/10W
R4318	1-216-001-00	RES, CHIP	10	5%	1/10W
R4319	1-216-295-91	SHORT	0		
R4320	1-216-001-00	RES, CHIP	10	5%	1/10W
R4321	1-216-001-00	RES, CHIP	10	5%	1/10W
R4322	1-216-001-00	RES, CHIP	10	5%	1/10W
R4323	1-216-001-00	RES, CHIP	10	5%	1/10W
R4324	1-216-001-00	RES, CHIP	10	5%	1/10W
R4325	1-216-001-00	RES, CHIP	10	5%	1/10W
R4326	1-216-001-00	RES, CHIP	10	5%	1/10W
R4327	1-216-025-91	RES, CHIP	100	5%	1/10W
R4328	1-216-025-91	RES, CHIP	100	5%	1/10W
R4330	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4332	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4334	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4335	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4336	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4337	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4338	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4339	1-216-025-91	RES, CHIP	100	5%	1/10W
R4340	1-216-025-91	RES, CHIP	100	5%	1/10W
R4341	1-216-025-91	RES, CHIP	100	5%	1/10W
R4342	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4343	1-216-001-00	RES, CHIP	10	5%	1/10W
R4344	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4345	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4346	1-216-025-91	RES, CHIP	100	5%	1/10W
R4347	1-216-025-91	RES, CHIP	100	5%	1/10W
R4348	1-216-001-00	RES, CHIP	10	5%	1/10W
R4349	1-216-295-91	SHORT	0		
R4350	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4351	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4352	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4353	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4355	1-216-001-00	RES, CHIP	10	5%	1/10W
R4356	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4357	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4358	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4359	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4360	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4361	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4362	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4363	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4364	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4365	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4366	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4367	1-216-001-00	RES, CHIP	10	5%	1/10W
R4368	1-216-025-91	RES, CHIP	100	5%	1/10W
R4371	1-216-295-91	SHORT	0		
R4372	1-216-295-91	SHORT	0		
R4373	1-216-025-91	RES, CHIP	100	5%	1/10W
R4374	1-216-025-91	RES, CHIP	100	5%	1/10W

BB

REF.NO.	PART NO.	DESCRIPTION			REMARK
R4375	1-216-097-91	RES, CHIP	100K	5%	1/10W
R4376	1-216-097-91	RES, CHIP	100K	5%	1/10W
R4377	1-216-025-91	RES, CHIP	100	5%	1/10W
R4378	1-216-025-91	RES, CHIP	100	5%	1/10W
R4379	1-216-656-11	METAL CHIP	1.6K	0.50%	1/10W
R4380	1-216-025-91	RES, CHIP	100	5%	1/10W
R4381	1-216-295-91	SHORT	0		
R4382	1-216-656-11	METAL CHIP	1.6K	0.50%	1/10W
R4383	1-216-025-91	RES, CHIP	100	5%	1/10W
R4384	1-216-295-91	SHORT	0		
R4385	1-216-025-91	RES, CHIP	100	5%	1/10W
R4386	1-216-025-91	RES, CHIP	100	5%	1/10W
R4387	1-216-295-91	SHORT	0		
R4388	1-216-295-91	SHORT	0		
R4389	1-216-025-91	RES, CHIP	100	5%	1/10W
R4390	1-216-295-91	SHORT	0		
R4391	1-216-295-91	SHORT	0		
R4392	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R4393	1-216-025-91	RES, CHIP	100	5%	1/10W
R4394	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R4395	1-216-025-91	RES, CHIP	100	5%	1/10W
R4396	1-216-295-91	SHORT	0		
R4397	1-216-001-00	RES, CHIP	10	5%	1/10W
R4399	1-216-025-91	RES, CHIP	100	5%	1/10W
R4400	1-216-025-91	RES, CHIP	100	5%	1/10W
R4401	1-216-025-91	RES, CHIP	100	5%	1/10W
R4402	1-216-025-91	RES, CHIP	100	5%	1/10W
R4403	1-216-025-91	RES, CHIP	100	5%	1/10W
R4404	1-216-025-91	RES, CHIP	100	5%	1/10W
R4405	1-216-025-91	RES, CHIP	100	5%	1/10W
R4406	1-216-025-91	RES, CHIP	100	5%	1/10W
R4407	1-216-025-91	RES, CHIP	100	5%	1/10W
R4408	1-216-025-91	RES, CHIP	100	5%	1/10W
R4409	1-216-001-00	RES, CHIP	10	5%	1/10W
R4411	1-216-025-91	RES, CHIP	100	5%	1/10W
R4412	1-216-025-91	RES, CHIP	100	5%	1/10W
R4413	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4414	1-216-057-00	RES, CHIP”	2.2K	5%	1/10W
R4415	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4416	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4417	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4418	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4419	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4420	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4421	1-216-025-91	RES, CHIP	100	5%	1/10W
R4422	1-216-025-91	RES, CHIP	100	5%	1/10W
R4423	1-216-025-91	RES, CHIP	100	5%	1/10W
R4426	1-216-025-91	RES, CHIP	100	5%	1/10W
R4427	1-216-025-91	RES, CHIP	100	5%	1/10W
R4428	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4429	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4433	1-216-025-91	RES, CHIP	100	5%	1/10W
R4435	1-216-025-91	RES, CHIP	100	5%	1/10W
R4436	1-216-001-00	RES, CHIP	10	5%	1/10W
R4440	1-216-295-91	SHORT	0		
R4442	1-216-295-91	SHORT	0		
R4444	1-216-001-00	RES, CHIP	10	5%	1/10W
R4449	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4450	1-216-001-00	RES, CHIP	10	5%	1/10W
R4452	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4453	1-216-001-00	RES, CHIP	10	5%	1/10W
R4454	1-216-001-00	RES, CHIP	10	5%	1/10W
R4457	1-216-049-91	RES, CHIP	1K	5%	1/10W
R4600	1-216-009-91	RES, CHIP	22	5%	1/10W
R4601	1-216-009-91	RES, CHIP	22	5%	1/10W
R4602	1-216-009-91	RES, CHIP	22	5%	1/10W
R4607	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R4609	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R4611	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R4620	1-216-295-91	SHORT	0		
R4621	1-216-295-91	SHORT	0		
R4622	1-216-295-91	SHORT	0		
R4623	1-216-295-91	SHORT	0		
R4624	1-216-295-91	SHORT	0		
R4625	1-216-295-91	SHORT	0		
R4650	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4651	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4652	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4653	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4654	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4655	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4700	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R4701	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R4702	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R4703	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R4704	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R4705	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R4706	1-216-295-91	SHORT	0		
R4708	1-216-025-91	RES, CHIP	100	5%	1/10W
R4709	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4710	1-216-069-00	RES, CHIP	6.8K	5%	1/10W
R4711	1-216-025-91	RES, CHIP	100	5%	1/10W
R4712	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4713	1-216-069-00	RES, CHIP	6.8K	5%	1/10W
R4714	1-216-009-91	RES, CHIP	22	5%	1/10W
R4715	1-216-013-00	RES, CHIP	33	5%	1/10W
R4716	1-216-073-00	RES, CHIP”	10K	5%	1/10W
R4717	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4718	1-216-069-00	RES, CHIP	6.8K	5%	1/10W
R4719	1-216-019-00	RES, CHIP	56	5%	1/10W
R4721	1-216-295-91	SHORT	0		
R4723	1-216-013-00	RES, CHIP	33	5%	1/10W
R4724	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4725	1-216-009-91	RES, CHIP	22	5%	1/10W
R4726	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4727	1-216-069-00	RES, CHIP	6.8K	5%	1/10W
R4728	1-216-009-91	RES, CHIP	22	5%	1/10W
R4730	1-216-295-91	SHORT	0		
R4732	1-216-019-00	RES, CHIP	56	5%	1/10W
R4734	1-216-013-00	RES, CHIP	33	5%	1/10W
R4735	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4736	1-216-295-91	SHORT	0		

BB

REF.NO.	PART NO.	DESCRIPTION			REMARK
R4738	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4739	1-216-069-00	RES, CHIP	6.8K	5%	1/10W
R4740	1-216-009-91	RES, CHIP	22	5%	1/10W
R4742	1-216-019-00	RES, CHIP	56	5%	1/10W
R4744	1-216-025-91	RES, CHIP	100	5%	1/10W
R4745	1-216-009-91	RES, CHIP	22	5%	1/10W
R4746	1-216-017-91	RES, CHIP	47	5%	1/10W
R4747	1-216-295-91	SHORT	0		
R4748	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4749	1-216-069-00	RES, CHIP	6.8K	5%	1/10W
R4750	1-216-009-91	RES, CHIP	22	5%	1/10W
R4752	1-216-295-91	SHORT	0		
R4753	1-216-017-91	RES, CHIP	47	5%	1/10W
R4754	1-216-017-91	RES, CHIP	47	5%	1/10W
R4755	1-216-295-91	SHORT	0		
R4756	1-216-295-91	SHORT	0		
R4758	1-216-017-91	RES, CHIP	47	5%	1/10W
R4759	1-216-295-91	SHORT	0		
R4761	1-216-069-00	RES, CHIP	6.8K	5%	1/10W
R4762	1-216-009-91	RES, CHIP	22	5%	1/10W
R4764	1-216-295-91	SHORT	0		
R4767	1-216-069-00	RES, CHIP	6.8K	5%	1/10W
R4768	1-216-009-91	RES, CHIP	22	5%	1/10W
R4770	1-216-295-91	SHORT	0		
R4772	1-216-009-91	RES, CHIP	22	5%	1/10W
R4774	1-216-009-91	RES, CHIP	22	5%	1/10W
R4776	1-216-069-00	RES, CHIP	6.8K	5%	1/10W
R4777	1-216-009-91	RES, CHIP	22	5%	1/10W
R4780	1-216-295-91	SHORT	0		
R4781	1-216-295-91	SHORT	0		
R4782	1-216-295-91	SHORT	0		
R4783	1-216-295-91	SHORT	0		
R4784	1-216-009-91	RES, CHIP	22	5%	1/10W
R4785	1-216-295-91	SHORT	0		
R4786	1-216-295-91	SHORT	0		
R4787	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R4788	1-216-009-91	RES, CHIP	22	5%	1/10W
R4789	1-216-295-91	SHORT	0		
R4790	1-216-295-91	SHORT	0		
R4791	1-216-085-00	RES, CHIP	33K	5%	1/10W
R4792	1-216-017-91	RES, CHIP	47	5%	1/10W
R4793	1-216-035-00	RES, CHIP	270	5%	1/10W
R4794	1-216-295-91	SHORT	0		
R4795	1-216-627-11	METAL CHIP	100	0.50%	1/10W
R4796	1-216-017-91	RES, CHIP	47	5%	1/10W
R4797	1-216-677-11	METAL CHIP	12K	0.50%	1/10W
R4798	1-216-049-91	RES, CHIP	1K	5%	1/10W
R4799	1-216-295-91	SHORT	0		
R4800	1-216-009-91	RES, CHIP	22	5%	1/10W
R4802	1-216-295-91	SHORT	0		
R4803	1-216-677-11	METAL CHIP	12K	0.50%	1/10W
R4804	1-216-049-91	RES, CHIP	1K	5%	1/10W
R4805	1-216-295-91	SHORT	0		
R4806	1-216-295-91	SHORT	0		
R4822	1-216-009-91	RES, CHIP	22	5%	1/10W
R4823	1-216-009-91	RES, CHIP	22	5%	1/10W
R4824	1-216-009-91	RES, CHIP	22	5%	1/10W
R4825	1-216-089-91	RES, CHIP	47K	5%	1/10W
R4826	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4830	1-216-025-91	RES, CHIP	100	5%	1/10W
R4831	1-216-025-91	RES, CHIP	100	5%	1/10W
R4832	1-216-025-91	RES, CHIP	100	5%	1/10W
R4833	1-216-025-91	RES, CHIP	100	5%	1/10W
R4834	1-216-025-91	RES, CHIP	100	5%	1/10W
R4835	1-216-025-91	RES, CHIP	100	5%	1/10W
R4839	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4840	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4841	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4842	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4843	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4844	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4846	1-216-295-91	SHORT	0		
R4848	1-216-295-91	SHORT	0		
R4850	1-216-295-91	SHORT	0		
R4851	1-216-025-91	RES, CHIP	100	5%	1/10W
R4852	1-216-025-91	RES, CHIP	100	5%	1/10W
R4853	1-216-001-00	RES, CHIP	10	5%	1/10W
R4854	1-216-001-00	RES, CHIP	10	5%	1/10W
R4856	1-216-025-91	RES, CHIP	100	5%	1/10W
R4857	1-216-025-91	RES, CHIP	100	5%	1/10W
R4858	1-216-295-91	SHORT	0		
R4861	1-216-295-91	SHORT	0		
R4862	1-216-295-91	SHORT	0		
R4871	1-216-295-91	SHORT	0		
R4872	1-216-295-91	SHORT	0		
R4873	1-216-295-91	SHORT	0		
R4874	1-216-295-91	SHORT	0		
R4875	1-216-295-91	SHORT	0		
R4876	1-216-295-91	SHORT	0		
R4877	1-216-295-91	SHORT	0		
R4887	1-216-055-00	RES, CHIP	1.8K	5%	1/10W
R4888	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R4889	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R4890	1-216-113-00	RES, CHIP	470K	5%	1/10W
R4893	1-216-025-91	RES, CHIP	100	5%	1/10W
R4895	1-216-025-91	RES, CHIP	100	5%	1/10W
R4896	1-216-017-91	RES, CHIP	47	5%	1/10W
R4897	1-216-017-91	RES, CHIP	47	5%	1/10W
R4898	1-216-017-91	RES, CHIP	47	5%	1/10W
R4899	1-216-017-91	RES, CHIP	47	5%	1/10W
R4900	1-216-017-91	RES, CHIP	47	5%	1/10W
R4901	1-216-017-91	RES, CHIP	47	5%	1/10W
R4902	1-216-017-91	RES, CHIP	47	5%	1/10W
R4903	1-216-017-91	RES, CHIP	47	5%	1/10W
R4907	1-216-009-91	RES, CHIP	22	5%	1/10W
R4908	1-216-017-91	RES, CHIP	47	5%	1/10W
R4909	1-216-017-91	RES, CHIP	47	5%	1/10W
R4915	1-216-033-00	RES, CHIP	220	5%	1/10W
R4916	1-216-033-00	RES, CHIP	220	5%	1/10W
R4917	1-216-673-11	METAL CHIP	8.2K	0.50%	1/10W
R4918	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R4919	1-216-651-11	METAL CHIP	1K	0.50%	1/10W

BB BD

REF.NO.	PART NO.	DESCRIPTION			REMARK
R4920	1-216-295-91	SHORT	0		
R4921	1-216-295-91	SHORT	0		
R4922	1-216-295-91	SHORT	0		
R4923	1-216-295-91	SHORT	0		
R4924	1-216-295-91	SHORT	0		
R4925	1-216-295-91	SHORT	0		
R4926	1-216-049-91	RES, CHIP	1K	5%	1/10W
R4933	1-216-025-91	RES, CHIP	100	5%	1/10W
R4934	1-216-025-91	RES, CHIP	100	5%	1/10W
R4936	1-216-295-91	SHORT	0		
R4937	1-216-295-91	SHORT	0		
R4938	1-216-295-91	SHORT	0		
R4939	1-216-295-91	SHORT	0		
R4940	1-216-295-91	SHORT	0		
R4968	1-216-025-91	RES, CHIP	100	5%	1/10W
R4969	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4973	1-216-001-00	RES, CHIP	10	5%	1/10W
R4974	1-216-001-00	RES, CHIP	10	5%	1/10W
R4976	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4977	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4978	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4979	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4980	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4981	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4982	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R4983	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R4984	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R4985	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4986	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4987	1-216-073-00	RES, CHIP	10K	5%	1/10W
R4988	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R4989	1-216-629-11	METAL CHIP	120	0.50%	1/10W
R4993	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4994	1-216-670-11	METAL CHIP	6.2K	0.50%	1/10W
R4995	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4996	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R4998	1-216-629-11	METAL CHIP	120	0.50%	1/10W
R4999	1-216-624-11	METAL CHIP	75	0.50%	1/10W

<VARIABLE RESISTOR>

RV40011-241-389-11	RES, ADJ, METAL GLAZE	100	(RED PHASE)
RV41011-241-389-11	RES, ADJ, METAL GLAZE	100	(GREEN PHASE)
RV42011-241-389-11	RES, ADJ, METAL GLAZE	100	(BLUE PHASE)

<CRYSTAL>

VX41001-781-234-21	OSCILLATOR, CRYSTAL	
VX43001-781-235-21	OSCILLATOR, CRYSTAL	
VX43011-781-236-21	VIBRATOR, CRYSTAL	

****

REF.NO.	PART NO.	DESCRIPTION	REMARK
*	A-1501-559-A	BD BOARD, COMPLETE (included A/PK)	(US, Canadian)

****

REF.NO.	PART NO.	DESCRIPTION	REMARK
*	A-1501-560-A	BD BOARD, COMPLETE (included A/PK)	(AEP, E)

****

<CAPACITOR>

REF.NO.	PART NO.	DESCRIPTION			
C3001	1-127-512-00	ELECT	10MF	20%	16V
C3002	1-127-512-00	ELECT	10MF	20%	16V
C3003	1-127-512-00	ELECT	10MF	20%	16V
C3004	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3005	1-126-204-11	ELECT CHIP	47MF	20%	16V
C3006	1-126-204-11	ELECT CHIP	47MF	20%	16V
C3007	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3017	1-126-204-11	ELECT CHIP	47MF	20%	16V
C3018	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3019	1-126-204-11	ELECT CHIP	47MF	20%	16V
C3020	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3021	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3022	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3023	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3024	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3101	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3102	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3103	1-126-204-11	ELECT CHIP	47MF	20%	16V
C3104	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3105	1-126-204-11	ELECT CHIP	47MF	20%	16V
C3106	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3107	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3108	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3109	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3110	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3111	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3112	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3113	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3114	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3115	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3116	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3117	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3118	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3119	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3120	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3121	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3122	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3125	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3126	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3130	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3131	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3132	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3133	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3137	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3138	1-124-779-00	ELECT CHIP	10MF	20%	16V
C3139	1-126-204-11	ELECT CHIP	47MF	20%	16V
C3140	1-163-038-91	CERAMIC CHIP	0.1MF		25V

REF.NO.	PART NO.	DESCRIPTION			REMARK
C3141	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C3142	1-126-603-11	ELECT CHIP 4.7MF		20%	35V
C3143	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C3144	1-163-021-91	CERAMIC CHIP 0.01MF		10%	50V
C3145	1-163-021-91	CERAMIC CHIP 0.01MF		10%	50V
C3146	1-126-204-11	ELECT CHIP 47MF		20%	16V
C3147	1-126-204-11	ELECT CHIP 47MF		20%	16V
C3148	1-126-204-11	ELECT CHIP 47MF		20%	16V
C3149	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C3150	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C3151	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C3152	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C3153	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C3155	1-126-204-11	ELECT CHIP 47MF		20%	16V
C3156	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C3157	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C3159	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C3161	1-124-779-00	ELECT CHIP 10MF		20%	16V
C3162	1-126-204-11	ELECT CHIP 47MF		20%	16V
C3163	1-124-779-00	ELECT CHIP 10MF		20%	16V
C3164	1-124-779-00	ELECT CHIP 10MF		20%	16V
C3166	1-124-779-00	ELECT CHIP 10MF		20%	16V
C3168	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C3170	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C3171	1-124-779-00	ELECT CHIP 10MF		20%	16V
C3172	1-124-779-00	ELECT CHIP 10MF		20%	16V
C3173	1-126-204-11	ELECT CHIP 47MF		20%	16V
C3174	1-163-038-91	CERAMIC CHIP 0.1MF			25V
C3175	1-126-204-11	ELECT CHIP 47MF		20%	16V
C3176	1-126-204-11	ELECT CHIP 47MF		20%	16V
C3177	1-126-204-11	ELECT CHIP 47MF		20%	16V
C3178	1-126-204-11	ELECT CHIP 47MF		20%	16V

<CONNECTOR>

CN3001	*1-774-629-11	CONNECTOR, BOARD TO BOARD 17P
CN3002	*1-770-732-11	CONNECTOR, BOARD TO BOARD 15P

<DIODE>

D3101	8-719-422-12	ZENER DIODE MA8039

<FERRITE BEAD>

FB3001	1-414-234-22	INDUCTOR CHIP
FB3002	1-414-234-22	INDUCTOR CHIP
FB3003	1-414-234-22	INDUCTOR CHIP
FB3004	1-414-234-22	INDUCTOR CHIP

<FILTER>

FL3001	1-233-505-21	FILTER, LOW PASS
FL3002	1-233-504-21	FILTER, LOW PASS
FL3003	1-233-504-21	FILTER, LOW PASS
FL3004	1-234-112-21	FILTER, LOW PASS
FL3005	1-234-112-21	FILTER, LOW PASS
FL3006	1-234-113-21	FILTER, LOW PASS

<IC>

IC3002	8-759-011-65	IC MC74HC4053F
IC3101	8-759-431-14	IC PQ3TZ53U
IC3102	8-759-422-80	IC MN47V77ST1
IC3103	8-759-422-80	IC MN47V77ST1
IC3104	8-752-390-22	IC CXD2075Q
IC3105	8-759-295-09	IC TLC2932IPW
IC3106	8-752-388-98	IC CXD2303AQ
IC3107	8-759-430-32	IC TLC2933IPW-E20
IC3109	8-759-701-01	IC NJM2904M

<COIL>

L3001	1-414-754-11	INDUCTOR	10UH
L3002	1-414-754-11	INDUCTOR	10UH
L3003	1-414-754-11	INDUCTOR	10UH
L3004	1-414-754-11	INDUCTOR	10UH
L3101	1-410-196-11	INDUCTOR CHIP	2.2UH
L3102	1-414-754-11	INDUCTOR	10UH
L3104	1-414-754-11	INDUCTOR	10UH
L3106	1-414-754-11	INDUCTOR	10UH
L3107	1-414-754-11	INDUCTOR	10UH
L3108	1-414-757-11	INDUCTOR	100UH
L3109	1-414-757-11	INDUCTOR	100UH
L3110	1-414-757-11	INDUCTOR	100UH
L3111	1-414-757-11	INDUCTOR	100UH
L3112	1-414-757-11	INDUCTOR	100UH
L3113	1-414-754-11	INDUCTOR	10UH
L3114	1-414-754-11	INDUCTOR	10UH

<TRANSISTOR>

Q3001	8-729-422-27	TRANSISTOR 2SD601A-Q
Q3002	8-729-422-27	TRANSISTOR 2SD601A-Q
Q3003	8-729-422-27	TRANSISTOR 2SD601A-Q
Q3004	8-729-422-27	TRANSISTOR 2SD601A-Q
Q3005	8-729-422-27	TRANSISTOR 2SD601A-Q
Q3006	8-729-422-27	TRANSISTOR 2SD601A-Q
Q3007	8-729-422-27	TRANSISTOR 2SD601A-Q
Q3008	8-729-422-27	TRANSISTOR 2SD601A-Q
Q3009	8-729-422-27	TRANSISTOR 2SD601A-Q
Q3010	8-729-422-27	TRANSISTOR 2SD601A-Q
Q3011	8-729-422-27	TRANSISTOR 2SD601A-Q
Q3012	8-729-422-27	TRANSISTOR 2SD601A-Q
Q3013	8-729-216-22	TRANSISTOR 2SA1162-G
Q3014	8-729-216-22	TRANSISTOR 2SA1162-G
Q3015	8-729-216-22	TRANSISTOR 2SA1162-G
Q3016	8-729-216-22	TRANSISTOR 2SA1162-G
Q3017	8-729-216-22	TRANSISTOR 2SA1162-G
Q3018	8-729-216-22	TRANSISTOR 2SA1162-G
Q3101	8-729-216-22	TRANSISTOR 2SA1162-G
Q3102	8-729-216-22	TRANSISTOR 2SA1162-G
Q3103	8-729-216-22	TRANSISTOR 2SA1162-G

BD

REF.NO.	PART NO.	DESCRIPTION			REMARK
Q3104	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q3105	8-729-216-22	TRANSISTOR 2SA1162-G			
Q3106	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q3107	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q3108	8-729-216-22	TRANSISTOR 2SA1162-G			
Q3109	8-729-216-22	TRANSISTOR 2SA1162-G			
Q3110	8-729-216-22	TRANSISTOR 2SA1162-G			
Q3111	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q3112	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q3113	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q3114	8-729-216-22	TRANSISTOR 2SA1162-G			
Q3115	8-729-216-22	TRANSISTOR 2SA1162-G			
Q3116	8-729-216-22	TRANSISTOR 2SA1162-G			
		<RESISTOR>			
R3001	1-216-295-91	SHORT	0		
R3002	1-216-295-91	SHORT	0		
R3003	1-216-295-91	SHORT	0		
R3004	1-216-295-91	SHORT	0		
R3005	1-216-295-91	SHORT	0		
R3006	1-216-295-91	SHORT	0		
R3007	1-216-295-91	SHORT	0		
R3008	1-216-295-91	SHORT	0		
R3010	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R3013	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R3015	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R3016	1-216-295-91	SHORT	0		
R3018	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R3019	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R3020	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R3021	1-216-295-91	SHORT	0		
R3022	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R3025	1-216-295-91	SHORT	0		
R3026	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R3027	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R3028	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R3029	1-216-295-91	SHORT	0		
R3031	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R3032	1-216-615-91	METAL CHIP	33	0.50%	1/10W
R3035	1-216-295-91	SHORT	0		
R3036	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R3037	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R3038	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R3039	1-216-295-91	SHORT	0		
R3041	1-216-295-91	SHORT	0		
R3042	1-216-295-91	SHORT	0		
R3043	1-216-295-91	SHORT	0		
R3044	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R3045	1-216-615-91	METAL CHIP	33	0.50%	1/10W
R3048	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R3049	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R3050	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R3051	1-216-295-91	SHORT	0		
R3052	1-216-049-91	RES, CHIP	1K	5%	1/10W
R3053	1-216-049-91	RES, CHIP	1K	5%	1/10W
R3054	1-216-049-91	RES, CHIP	1K	5%	1/10W
R3055	1-216-295-91	SHORT	0		
R3056	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R3057	1-216-295-91	SHORT	0		
R3058	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R3059	1-216-295-91	SHORT	0		
R3060	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R3061	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R3062	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R3063	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R3064	1-216-049-91	RES, CHIP	1K	5%	1/10W
R3065	1-216-049-91	RES, CHIP	1K	5%	1/10W
R3066	1-216-049-91	RES, CHIP	1K	5%	1/10W
R3067	1-216-025-91	RES, CHIP	100	5%	1/10W
R3068	1-216-025-91	RES, CHIP	100	5%	1/10W
R3069	1-216-025-91	RES, CHIP	100	5%	1/10W
R3071	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R3072	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R3073	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R3074	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R3075	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R3076	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R3101	1-216-049-91	RES, CHIP	1K	5%	1/10W
R3102	1-216-049-91	RES, CHIP	1K	5%	1/10W
R3103	1-216-049-91	RES, CHIP	1K	5%	1/10W
R3104	1-216-295-91	SHORT	0		
R3105	1-216-295-91	SHORT	0		
R3106	1-216-295-91	SHORT	0		
R3107	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R3108	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R3109	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R3110	1-216-646-11	METAL CHIP	620	0.50%	1/10W
R3111	1-216-637-11	METAL CHIP	270	0.50%	1/10W
R3112	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R3113	1-216-295-91	SHORT	0		
R3115	1-216-295-91	SHORT	0		
R3117	1-216-025-91	RES, CHIP	100	5%	1/10W
R3118	1-216-025-91	RES, CHIP	100	5%	1/10W
R3120	1-216-295-91	SHORT	0		
R3122	1-216-295-91	SHORT	0		
R3123	1-216-295-91	SHORT	0		
R3125	1-216-295-91	SHORT	0		
R3128	1-216-295-91	SHORT	0		
R3130	1-216-295-91	SHORT	0		
R3131	1-216-295-91	SHORT	0		
R3133	1-216-025-91	RES, CHIP	100	5%	1/10W
R3134	1-216-025-91	RES, CHIP	100	5%	1/10W
R3135	1-216-295-91	SHORT	0		
R3138	1-216-295-91	SHORT	0		
R3139	1-216-295-91	SHORT	0		
R3142	1-216-295-91	SHORT	0		
R3144	1-216-295-91	SHORT	0		
R3145	1-216-295-91	SHORT	0		
R3146	1-216-295-91	SHORT	0		
R3148	1-216-295-91	SHORT	0		
R3149	1-216-295-91	SHORT	0		

REF.NO.	PART NO.	DESCRIPTION			REMARK
R3150	1-216-295-91	SHORT	0		
R3151	1-216-295-91	SHORT	0		
R3158	1-216-295-91	SHORT	0		
R3159	1-216-295-91	SHORT	0		
R3160	1-216-295-91	SHORT	0		
R3161	1-216-295-91	SHORT	0		
R3162	1-216-037-00	RES, CHIP	330	5%	1/10W
R3163	1-216-047-91	RES, CHIP	820	5%	1/10W
R3164	1-216-037-00	RES, CHIP	330	5%	1/10W
R3165	1-216-113-00	RES, CHIP	470K	5%	1/10W
R3166	1-216-049-91	RES, CHIP	1K	5%	1/10W
R3167	1-216-117-00	RES, CHIP	680K	5%	1/10W
R3168	1-216-081-00	RES, CHIP	22K	5%	1/10W
R3169	1-216-097-91	RES, CHIP	100K	5%	1/10W
R3170	1-216-025-91	RES, CHIP	100	5%	1/10W
R3171	1-216-668-11	METAL CHIP	5.1K	0.50%	1/10W
R3173	1-216-295-91	SHORT	0		
R3174	1-216-117-00	RES, CHIP	680K	5%	1/10W
R3175	1-216-025-91	RES, CHIP	100	5%	1/10W
R3176	1-216-033-00	RES, CHIP	220	5%	1/10W
R3177	1-216-295-91	SHORT	0		
R3178	1-216-049-91	RES, CHIP	1K	5%	1/10W
R3179	1-216-061-00	RES, CHIP	3.3K	5%	1/10W
R3180	1-216-668-11	METAL CHIP	5.1K	0.50%	1/10W
R3181	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R3182	1-216-025-91	RES, CHIP	100	5%	1/10W
R3183	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R3184	1-216-062-00	RES, CHIP	3.6K	5%	1/10W
R3185	1-216-295-91	SHORT	0		
R3187	1-216-113-00	RES, CHIP	470K	5%	1/10W
R3189	1-216-073-00	RES, CHIP	10K	5%	1/10W
R3191	1-216-295-91	SHORT	0		
R3194	1-216-025-91	RES, CH	100	5%	1/10W
R3197	1-216-668-11	METAL CHIP	5.1K	0.50%	1/10W
R3198	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R3199	1-216-043-91	RES, CHIP	560	5%	1/10W
R3200	1-216-043-91	RES, CHIP	560	5%	1/10W
R3201	1-216-043-91	RES, CHIP	560	5%	1/10W
R3202	1-216-666-11	METAL CHIP	4.3K	0.50%	1/10W
R3203	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R3210	1-216-295-91	SHORT	0		
R3211	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R3212	1-216-295-91	SHORT	0		
R3213	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R3214	1-216-295-91	SHORT	0		
R3215	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R3216	1-216-049-91	RES, CHIP	1K	5%	1/10W
R3217	1-216-049-91	RES, CHIP	1K	5%	1/10W
R3218	1-216-049-91	RES, CHIP	1K	5%	1/10W

****

REF.NO.	PART NO.	DESCRIPTION			REMARK
	* A-1241-353-A	FR BOARD, COMPLETE			
		**********			
	4-382-854-11	SCREW (M3X10), P, SW (+) (IC 8001)			
		<CAPACITOR>			
C8001	1-104-664-11	ELECT	47MF	20%	25V
C8002	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C8003	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C8004	1-104-664-11	ELECT	47MF	20%	25V
		<CONNECTOR>			
CN8001	*1-564-506-11	PLUG, CONNECTOR	3P		
CN8002	*1-564-506-11	PLUG, CONNECTOR	3P		
		<DIODE>			
D8001	8-719-404-50	DIODE MA111-TX			
		<IC>			
IC8001	8-759-098-24	IC PQ30RV11			
		<RESISTOR>			
R8001	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R8002	1-216-670-11	METAL CHIP	6.2K	0.50%	1/10W

****

REF.NO.	PART NO.	DESCRIPTION			REMARK
	* A-1501-559-A	A BOARD, COMPLETE (included PK/BD)			(US, Canadian)
		**********			
	* A-1501-560-A	A BOARD, COMPLETE (included PK/BD)			(AEP, E)
		**********			
	1-540-151-21	SOCKET, IC (IC5, IC6)			
	4-382-854-11	SCREW (M3X10), P, SW (+) (IC2001, IC2002, IC2005 - IC2007)			
		<CAPACITOR>			
C1	1-126-933-11	ELECT	100MF	20%	16V
C2	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C3	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C4	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C5	1-104-664-11	ELECT	47MF	20%	16V

A

REF.NO.	PART NO.	DESCRIPTION			REMARK
C6	1-163-001-11	CERAMIC CHIP 220PF	10%	50V	
C7	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C8	1-163-001-11	CERAMIC CHIP 220PF	10%	50V	
C9	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C10	1-163-001-11	CERAMIC CHIP 220PF	10%	50V	
C11	1-163-227-11	CERAMIC CHIP 10PF	0.5PF	50V	
C12	1-163-227-11	CERAMIC CHIP 10PF	0.5PF	50V	
C13	1-126-963-11	ELECT 4.7MF	20%	50V	
C14	1-163-235-11	CERAMIC CHIP 22PF	5%	50V	
C15	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C16	1-104-664-11	ELECT 47MF	20%	16V	
C17	1-163-245-11	CERAMIC CHIP 56PF	5%	50V	
C18	1-163-245-11	CERAMIC CHIP 56PF	5%	50V	
C19	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C20	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C21	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C22	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C23	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C24	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C26	1-163-001-11	CERAMIC CHIP 220PF	10%	50V	
C27	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C28	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C29	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C30	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C31	1-163-001-11	CERAMIC CHIP 220PF	10%	50V	
C32	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C33	1-126-933-11	ELECT 100MF	20%	16V	
C34	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C35	1-126-933-11	ELECT 100MF	20%	16V	
C36	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C38	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C39	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C40	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C41	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C42	1-115-185-11	CERAMIC CHIP 0.033MF	10%	50V	
C43	1-115-185-11	CERAMIC CHIP 0.033MF	10%	50V	
C44	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V	
C45	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C46	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C47	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C48	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C54	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C55	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C56	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C57	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C58	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V	
C59	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C60	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C61	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C2001	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V	
C2002	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2003	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2004	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2005	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2006	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2007	1-126-933-11	ELECT 100MF	20%	16V	
C2008	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2009	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2010	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2011	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2012	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2013	1-104-664-11	ELECT 47MF	20%	16V	
C2014	1-104-664-11	ELECT 47MF	20%	25V	
C2015	1-126-933-11	ELECT 100MF	20%	16V	
C2016	1-104-664-11	ELECT 47MF	20%	25V	
C2017	1-104-665-11	ELECT 100MF	20%	25V	
C2018	1-126-933-11	ELECT 100MF	20%	16V	
C2019	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2020	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2021	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2022	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2023	1-104-664-11	ELECT 47MF	20%	25V	
C2024	1-104-664-11	ELECT 47MF	20%	25V	
C2025	1-104-664-11	ELECT 47MF	20%	25V	
C2026	1-126-934-11	ELECT 220MF	20%	16V	
C2027	1-126-933-11	ELECT 100MF	20%	16V	
C2028	1-126-933-11	ELECT 100MF	20%	16V	
C2029	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2030	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2031	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2032	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2033	1-104-664-11	ELECT 47MF	20%	25V	
C2034	1-104-664-11	ELECT 47MF	20%	25V	
C2035	1-104-664-11	ELECT 47MF	20%	25V	
C2036	1-126-933-11	ELECT 100MF	20%	16V	
C2037	1-126-933-11	ELECT 100MF	20%	16V	
C2038	1-126-933-11	ELECT 100MF	20%	16V	
C2039	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2040	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2041	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2042	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2043	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2044	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C2045	1-104-665-11	ELECT 100MF	20%	25V	
C2046	1-164-505-11	CERAMIC CHIP 2.2MF		16V	
C2047	1-164-505-11	CERAMIC CHIP 2.2MF		16V	
C2048	1-164-505-11	CERAMIC CHIP 2.2MF		16V	
C2049	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C2050	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C2051	1-104-664-11	ELECT 47MF	20%	25V	
C2052	1-104-664-11	ELECT 47MF	20%	25V	
C2053	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C2054	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C2055	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C2056	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C2057	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C2058	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C2104	1-104-664-11	ELECT 47MF	20%	16V	
C2105	1-104-664-11	ELECT 47MF	20%	16V	
C2106	1-104-664-11	ELECT 47MF	20%	16V	
C2107	1-104-664-11	ELECT 47MF	20%	16V	
C2108	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	

REF.NO.	PART NO.	DESCRIPTION			REMARK
C2109	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2110	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2111	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2112	1-126-964-11	ELECT	10MF	20%	50V
C2113	1-126-964-11	ELECT	10MF	20%	50V
C2114	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C2115	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C2116	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C2117	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C2120	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2121	1-126-963-11	ELECT	4.7MF	20%	50V
C2122	1-126-960-11	ELECT	1MF	20%	50V
C2124	1-126-964-11	ELECT	10MF	20%	50V
C2125	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2126	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2128	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C2129	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2130	1-104-664-11	ELECT	47MF	20%	16V
C2131	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2132	1-126-964-11	ELECT	10MF	20%	50V
C2134	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2136	1-126-960-11	ELECT	1MF	20%	50V
C2137	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2138	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2139	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C2140	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2141	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2143	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2144	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2145	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2146	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2148	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2149	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2150	1-126-961-11	ELECT	2.2MF	20%	50V
C2151	1-104-664-11	ELECT	47MF	20%	16V
C2152	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2153	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2154	1-104-664-11	ELECT	47MF	20%	16V
C2155	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2156	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2157	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C2158	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2159	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C2160	1-104-664-11	ELECT	47MF	20%	16V
C2161	1-104-664-11	ELECT	47MF	20%	16V
C2162	1-104-664-11	ELECT	47MF	20%	16V
C2163	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2164	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2165	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2166	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2167	1-126-963-11	ELECT	4.7MF	20%	50V
C2169	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C2170	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C2171	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2172	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2173	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2174	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2175	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2176	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2177	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
C2178	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2179	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2180	1-126-964-11	ELECT	10MF	20%	50V
C2181	1-126-964-11	ELECT	10MF	20%	50V
C2301	1-126-933-11	ELECT	100MF	20%	16V
C2302	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2304	1-126-964-11	ELECT	10MF	20%	50V
C2305	1-126-964-11	ELECT	10MF	20%	50V
C2307	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2308	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2310	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C2311	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C2312	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2313	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2314	1-126-964-11	ELECT	10MF	20%	50V
C2315	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2316	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2317	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2318	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2319	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2320	1-126-964-11	ELECT	10MF	20%	50V
C2321	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C2322	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2323	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2324	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2325	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2326	1-126-964-11	ELECT	10MF	20%	50V
C2327	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2328	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2329	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2330	1-126-964-11	ELECT	10MF	20%	50V
C2331	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C2332	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2335	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C2336	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C2337	1-126-964-11	ELECT	10MF	20%	50V
C2503	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2504	1-126-933-11	ELECT	100MF	20%	16V
C2505	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2507	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2509	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2510	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C2511	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2512	1-126-933-11	ELECT	100MF	20%	16V
C2513	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C2515	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2518	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C2519	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2521	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2522	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C2523	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2524	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V

A

REF.NO.	PART NO.	DESCRIPTION			REMARK
C2525	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2527	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2528	1-126-935-11	ELECT	470MF	20%	16V
C2529	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2530	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2532	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C2533	1-137-194-81	FILM	0.47MF	5%	50V
C2539	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
C2546	1-126-933-11	ELECT	100MF	20%	16V
C2547	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2549	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2565	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2566	1-126-964-11	ELECT	10MF	20%	50V
C2567	1-126-933-11	ELECT	100MF	20%	16V
C2568	1-163-092-00	CERAMIC CHIP	9PF	0.25PF	50V
C2702	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2703	1-164-505-11	CERAMIC CHIP	2.2MF		16V
C2704	1-164-505-11	CERAMIC CHIP	2.2MF		16V
C2705	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2706	1-164-505-11	CERAMIC CHIP	2.2MF		16V
C2707	1-164-505-11	CERAMIC CHIP	2.2MF		16V
C2708	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C6001	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6002	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6003	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6004	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6005	1-126-935-11	ELECT	470MF	20%	16V
C6006	1-104-664-11	ELECT	47MF	20%	16V
C6007	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C6008	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6009	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6010	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C6011	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6012	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C6013	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6014	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C6015	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C6016	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C6018	1-126-933-11	ELECT	100MF	20%	16V
C6019	1-126-933-11	ELECT	100MF	20%	16V
C6020	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C6021	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C6022	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C6023	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C6039	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C6052	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C6053	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6054	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C6055	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6056	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6057	1-126-933-11	ELECT	100MF	20%	16V
C6058	1-126-933-11	ELECT	100MF	20%	16V
C6059	1-104-664-11	ELECT	47MF	20%	16V
C6060	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C6061	1-216-295-91	SHORT	0		
C6062	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C6063	1-126-964-11	ELECT	10MF	20%	50V
C6064	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6065	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C6066	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C6067	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6068	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6069	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6070	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6071	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6072	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6073	1-104-664-11	ELECT	47MF	20%	16V
C6074	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C6075	1-104-664-11	ELECT	47MF	20%	16V
C6076	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C6077	1-126-964-11	ELECT	10MF	20%	50V
C6078	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C6079	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C6080	1-104-664-11	ELECT	47MF	20%	16V
C6081	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C6082	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C6083	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C6084	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C6085	1-104-664-11	ELECT	47MF	20%	16V
C6086	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C6090	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6091	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6092	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6093	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6094	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6103	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C6104	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C6105	1-165-319-11	CERAMIC CHIP	0.1MF		50V

<CONNECTOR>

CN1		1-764-812-11	CONNECTOR, BOARD TO BOARD 11P
CN2	*	1-564-512-11	PLUG, CONNECTOR 9P
CN3	*	1-564-510-11	PLUG, CONNECTOR 7P
CN4	*	1-564-506-11	PLUG, CONNECTOR 3P
CN6	*	1-535-419-00	TAB, FASTEN (PCB)
CN2001	*	1-564-508-11	PLUG, CONNECTOR 5P
CN2002	*	1-564-509-11	PLUG, CONNECTOR 6P
CN2003	*	1-564-512-11	PLUG, CONNECTOR 9P
CN2004	*	1-564-513-11	PLUG, CONNECTOR 10P
CN2005	*	1-764-334-11	PLUG, CONNECTOR 11P
CN2006	*	1-564-509-11	PLUG, CONNECTOR 6P
CN2007		1-564-511-11	PLUG, CONNECTOR 8P
CN2008	*	1-564-506-11	PLUG, CONNECTOR 3P
CN6001		1-764-611-11	CONNECTOR, BOARD TO BOARD 20P
CN6002		1-766-956-11	CONNECTOR, BOARD TO BOARD 15P
CN6003		1-774-628-11	CONNECTOR, BOARD TO BOARD 17P
CN6004		1-764-611-11	CONNECTOR, BOARD TO BOARD 20P
CN6005		1-766-388-11	CONNECTOR, BOARD TO BOARD 18P
CN6006		1-764-611-11	CONNECTOR, BOARD TO BOARD 20P
CN6007		1-573-812-11	CONNECTOR, BOARD TO BOARD 12P
CN6008		1-784-289-21	CONNECTOR, BOARD TO BOARD 6P

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN6009	*1-564-515-11	PLUG, CONNECTOR 12P	
CN6010	1-764-611-11	CONNECTOR, BOARD TO BOARD 20P	
CN6011	*1-564-512-11	PLUG, CONNECTOR 9P	
CN6012	*1-535-419-00	TAB, FASTEN (PCB)	
		<DIODE>	
D2001	8-719-404-50	DIODE MA111-TX	
D2002	8-719-158-15	ZENER DIODE RD5.6SB	
D2007	8-719-404-50	DIODE MA111-TX	
D2008	8-719-404-50	DIODE MA111-TX	
D2009	8-719-404-50	DIODE MA111-TX	
D2010	8-719-404-50	DIODE MA111-TX	
D2011	8-719-404-50	DIODE MA111-TX	
D2012	8-719-404-50	DIODE MA111-TX	
D2013	8-719-404-50	DIODE MA111-TX	
D2014	8-719-404-50	DIODE MA111-TX	
D2015	8-719-404-50	DIODE MA111-TX	
D2016	8-719-404-50	DIODE MA111-TX	
D2017	8-719-404-50	DIODE MA111-TX	
D2018	8-719-404-50	DIODE MA111-TX	
D2019	8-719-404-50	DIODE MA111-TX	
D2020	8-719-404-50	DIODE MA111-TX	
D2021	8-719-404-50	DIODE MA111-TX	
D2022	8-719-404-50	DIODE MA111-TX	
D2023	8-719-404-50	DIODE MA111-TX	
D2103	8-719-404-50	DIODE MA111-TX	
D2501	8-719-914-43	DIODE DAN202K	
D6001	8-719-073-11	DIODE MA111- (K8). S0	
D6002	8-719-073-11	DIODE MA111- (K8). S0	
D6004	8-719-404-50	DIODE MA111-TX	
D6007	8-719-404-50	DIODE MA111-TX	
D6008	8-719-404-50	DIODE MA111-TX	
D6009	8-719-404-50	DIODE MA111-TX	
		<FERRITE BEAD>	
FB1	1-543-813-21	FERRITE	
FB2	1-543-813-21	FERRITE	
FB3	1-543-813-21	FERRITE	
FB4	1-543-813-21	FERRITE	
FB5	1-414-234-22	INDUCTOR CHIP	
FB2001	1-543-813-21	FERRITE	
FB2002	1-543-813-21	FERRITE	
FB2003	1-543-813-21	FERRITE	
FB2101	1-414-234-22	INDUCTOR CHIP	
FB2105	1-414-234-22	INDUCTOR CHIP	
FB2106	1-414-234-22	INDUCTOR CHIP	
FB2110	1-414-234-22	INDUCTOR CHIP	
FB2111	1-414-234-22	INDUCTOR CHIP	
FB2112	1-414-234-22	INDUCTOR CHIP	
FB2113	1-414-234-22	INDUCTOR CHIP	
FB2301	1-410-397-21	FERRITE 1.1UH	
FB6001	1-414-234-22	INDUCTOR CHIP	
		<FILTER>	
FL2101	1-239-847-11	FILTER, LOW PASS	
FL2102	1-239-847-11	FILTER, LOW PASS	
FL2103	1-233-450-11	FILTER, LOW PASS	
FL2104	1-233-450-11	FILTER, LOW PASS	
FL2105	1-233-520-21	FILTER, EMI	
FL2106	1-233-520-21	FILTER, EMI	
FL2107	1-233-520-21	FILTER, EMI	
FL2301	1-233-765-21	FILTER	
FL2302	1-236-071-11	ENCAPSULATED COMPONENT	
FL2303	1-236-071-11	ENCAPSULATED COMPONENT	
FL2304	1-233-768-21	FILTER (SMD)	
FL2305	1-233-766-21	FILTER	
FL6004	1-233-512-21	FERRITE 37UH	
FL6005	1-233-512-21	FERRITE 37UH	
FL6006	1-233-512-21	FERRITE 37UH	
		<IC>	
IC1	8-759-489-99	IC MB94918-APOLLO	
IC2	8-759-403-44	IC MN1280-S	
IC3	8-759-527-75	IC M24C04-MN6T	
IC4	8-759-527-76	IC M24C08-MN6T	
IC5	8-759-545-36	IC WS57C010F-45J	
IC6	8-759-545-36	IC WS57C010F-45J	
IC7	8-759-013-86	IC MC74HC4066F	
IC8	8-752-072-94	IC CXA1875AM-T4	
IC10	8-759-232-74	IC TC74HC163AF	
IC11	8-759-232-74	IC TC74HC163AF	
IC13	8-759-424-13	IC MC74HC00AFEL	
IC14	8-759-038-15	IC MC74HC4538AF	
IC2001	8-759-098-24	IC PQ30RV11	
IC2002	8-759-198-03	IC PQ09RF21	
IC2003	8-759-098-24	IC PQ30RV11	
IC2004	8-759-701-84	IC NJM7905FA	
IC2005	8-759-513-71	IC PQ05RF21	
IC2006	8-759-513-71	IC PQ05RF21	
IC2007	8-759-284-06	IC PQ30RV31	
IC2008	8-759-069-28	IC PQ05RF11	
IC2009	8-759-466-50	IC NJM78M12DLA(TE1)	
IC2102	8-759-161-24	IC UPC659AGS-E2	
IC2103	8-759-536-12	IC UPD64081BGF-3BA	
IC2104	8-759-431-14	IC PQ3TZ53U	
IC2105	8-759-387-54	IC S-80727-SN-DQ-T1	
IC2106	8-759-473-05	IC UPD424210LE-60-E2	
IC2107	8-759-271-88	IC TC7SHU04FU	
IC2301	8-752-390-37	IC CXD2064Q-T6	
IC2302	8-759-009-06	IC MC14052BF	
IC2303	8-752-072-94	IC CXA1875AM-T4	
IC2304	8-759-231-30	IC TC-4S30F	
IC2502	8-759-447-68	IC TDA9143/N1	
IC2503	8-759-565-20	IC TDA4665T/V5-118	
IC2506	8-752-072-94	IC CXA1875AM-T4	
IC6001	8-752-082-49	IC CXA2119M	
IC6002	8-759-038-15	IC MC74HC4538AF	
IC6003	8-752-086-13	IC CXA2101AQ	

A

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC6004	8-759-011-65	IC MC74HC4053F	
IC6005	8-752-072-94	IC CXA1875AM-T4	
IC6007	8-759-271-88	IC TC7SHU04FU	
IC6008	8-759-568-54	IC EPM7064LC44-SX604	
IC6009	8-759-525-43	IC TC74HCT08AF(EL)	
IC6010	8-759-233-66	IC TC74HCT04AF	
		<COIL>	
L1	1-408-607-31	INDUCTOR	22UH
L2	1-408-607-31	INDUCTOR	22UH
L3	1-408-607-31	INDUCTOR	22UH
L4	1-408-603-31	INDUCTOR	10UH
L5	1-408-603-31	INDUCTOR	10UH
L7	1-408-607-31	INDUCTOR	22UH
L2101	1-412-029-11	INDUCTOR CHIP	10UH
L2102	1-412-029-11	INDUCTOR CHIP	10UH
L2103	1-412-029-11	INDUCTOR CHIP	10UH
L2104	1-412-028-11	INDUCTOR CHIP	4.7UH
L2105	1-412-028-11	INDUCTOR CHIP	4.7UH
L2106	1-412-029-11	INDUCTOR CHIP	10UH
L2107	1-412-029-11	INDUCTOR CHIP	10UH
L2108	1-412-029-11	INDUCTOR CHIP	10UH
L2111	1-412-028-11	INDUCTOR CHIP	4.7UH
L2112	1-412-029-11	INDUCTOR CHIP	10UH
L2113	1-412-029-11	INDUCTOR CHIP	10UH
L2114	1-412-029-11	INDUCTOR CHIP	10UH
L2301	1-412-029-11	INDUCTOR CHIP	10UH
L2302	1-412-029-11	INDUCTOR CHIP	10UH
L2303	1-408-603-31	INDUCTOR	10UH
L2502	1-414-235-22	INDUCTOR CHIP	0UH
L2503	1-414-235-22	INDUCTOR CHIP	0UH
L2504	1-414-235-22	INDUCTOR CHIP	0UH
L2507	1-412-796-41	INDUCTOR	47UH
L2508	1-414-235-22	INDUCTOR CHIP	0UH
L2509	1-412-031-11	INDUCTOR CHIP	47UH
L6001	1-408-607-31	INDUCTOR	22UH
L6002	1-408-603-31	INDUCTOR	10UH
L6004	1-408-603-31	INDUCTOR	10UH
L6005	1-408-607-31	INDUCTOR	22UH
L6007	1-412-029-11	INDUCTOR CHIP	10UH
L6008	1-412-029-11	INDUCTOR CHIP	10UH
L6009	1-408-607-31	INDUCTOR	22UH
L6010	1-408-607-31	INDUCTOR	22UH
L6011	1-408-607-31	INDUCTOR	22UH
L6012	1-408-607-31	INDUCTOR	22UH
L6013	1-408-607-31	INDUCTOR	22UH
		<TRANSISTOR>	
Q1	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q3	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q4	8-729-216-22	TRANSISTOR 2SA1162-G	
Q5	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6	8-729-216-22	TRANSISTOR 2SA1162-G	
Q9	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q10	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q11	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2001	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2002	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2003	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2004	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2005	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2006	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2007	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2008	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2009	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2101	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2102	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2103	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2104	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2105	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2106	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2107	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2108	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2109	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2110	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2111	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2112	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2113	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2114	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2115	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2116	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2117	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2118	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2119	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2301	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2302	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2303	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2304	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2305	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2306	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2307	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2308	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2309	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2310	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2311	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2312	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2313	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2314	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2315	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2316	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2317	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2501	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2502	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2503	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2508	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2509	8-729-107-31	TRANSISTOR 2SC3545-T43	
Q2510	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2512	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2513	8-729-422-27	TRANSISTOR 2SD601A-Q	

REF.NO.	PART NO.	DESCRIPTION	REMARK
Q2517	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2518	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2519	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2520	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2525	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2526	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q2701	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2702	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2703	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2704	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2705	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2706	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2707	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2708	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q2709	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6003	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6005	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6006	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6009	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6010	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6011	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6012	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6014	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6018	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6019	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6020	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6021	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6022	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6023	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q6024	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6025	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6026	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6039	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6040	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6041	8-729-216-22	TRANSISTOR 2SA1162-G	

<RESISTOR>

R1	1-216-073-00	RES, CHIP 10K	5%	1/10W
R2	1-216-073-00	RES, CHIP 10K	5%	1/10W
R3	1-216-073-00	RES, CHIP 10K	5%	1/10W
R4	1-216-065-91	RES, CHIP 4.7K	5%	1/10W
R5	1-216-065-91	RES, CHIP 4.7K	5%	1/10W
R6	1-216-065-91	RES, CHIP 4.7K	5%	1/10W
R7	1-216-017-91	RES, CHIP 47	5%	1/10W
R8	1-216-017-91	RES, CHIP 47	5%	1/10W
R9	1-216-295-91	SHORT 0		
R10	1-216-295-91	SHORT 0		
R11	1-216-295-91	SHORT 0		
R13	1-216-295-91	SHORT 0		
R15	1-216-295-91	SHORT 0		
R16	1-216-295-91	SHORT 0		
R17	1-216-295-91	SHORT 0		
R18	1-216-295-91	SHORT 0		
R19	1-216-295-91	SHORT 0		
R20	1-216-295-91	SHORT 0		
R21	1-216-295-91	SHORT 0		
R22	1-216-295-91	SHORT 0		
R23	1-216-295-91	SHORT 0		
R24	1-216-295-91	SHORT 0		
R25	1-216-295-91	SHORT 0		
R26	1-216-295-91	SHORT 0		
R27	1-216-295-91	SHORT 0		
R28	1-216-295-91	SHORT 0		
R29	1-216-295-91	SHORT 0		
R30	1-216-295-91	SHORT 0		
R31	1-216-295-91	SHORT 0		
R32	1-216-295-91	SHORT 0		
R33	1-216-295-91	SHORT 0		
R34	1-216-295-91	SHORT 0		
R35	1-216-295-91	SHORT 0		
R36	1-216-295-91	SHORT 0		
R37	1-216-295-91	SHORT 0		
R38	1-216-295-91	SHORT 0		
R39	1-216-295-91	SHORT 0		
R40	1-216-295-91	SHORT 0		
R41	1-216-295-91	SHORT 0		
R42	1-216-295-91	SHORT 0		
R43	1-216-295-91	SHORT 0		
R44	1-216-295-91	SHORT 0		
R45	1-216-065-91	RES, CHIP 4.7K	5%	1/10W
R46	1-216-065-91	RES, CHIP 4.7K	5%	1/10W
R47	1-216-055-00	RES, CHIP 1.8K	5%	1/10W
R48	1-216-055-00	RES, CHIP 1.8K	5%	1/10W
R49	1-216-025-91	RES, CHIP 100	5%	1/10W
R50	1-216-295-91	SHORT 0		
R51	1-216-025-91	RES, CHIP 100	5%	1/10W
R52	1-216-295-91	SHORT 0		
R53	1-216-025-91	RES, CHIP 100	5%	1/10W
R54	1-216-295-91	SHORT 0		
R55	1-216-061-00	RES, CHIP 3.3K	5%	1/10W
R56	1-216-025-91	RES, CHIP 100	5%	1/10W
R59	1-216-025-91	RES, CHIP 100	5%	1/10W
R60	1-216-061-00	RES, CHIP 3.3K	5%	1/10W
R61	1-216-025-91	RES, CHIP 100	5%	1/10W
R62	1-216-033-00	RES, CHIP 220	5%	1/10W
R63	1-216-025-91	RES, CHIP 100	5%	1/10W
R64	1-216-025-91	RES, CHIP 100	5%	1/10W
R65	1-216-049-91	RES, CHIP 1K	5%	1/10W
R66	1-216-025-91	RES, CHIP 100	5%	1/10W
R67	1-216-025-91	RES, CHIP 100	5%	1/10W
R68	1-216-073-00	RES, CHIP 10K	5%	1/10W
R69	1-216-033-00	RES, CHIP 220	5%	1/10W
R70	1-216-295-91	SHORT 0		
R72	1-216-033-00	RES, CHIP 220	5%	1/10W
R73	1-216-065-91	RES, CHIP 4.7K	5%	1/10W
R75	1-216-057-00	RES, CHIP 2.2K	5%	1/10W
R76	1-216-073-00	RES, CHIP 10K	5%	1/10W
R77	1-216-049-91	RES, CHIP 1K	5%	1/10W
R78	1-216-033-00	RES, CHIP 220	5%	1/10W
R79	1-216-089-91	RES, CHIP 47K	5%	1/10W
R80	1-216-033-00	RES, CHIP 220	5%	1/10W

A

REF.NO.	PART NO.	DESCRIPTION			REMARK
R81	1-216-113-00	RES, CHIP	470K	5%	1/10W
R82	1-216-089-91	RES, CHIP	47K	5%	1/10W
R83	1-216-033-00	RES, CHIP	220	5%	1/10W
R84	1-216-017-91	RES, CHIP	47	5%	1/10W
R85	1-216-017-91	RES, CHIP	47	5%	1/10W
R86	1-216-033-00	RES, CHIP	220	5%	1/10W
R87	1-216-033-00	RES, CHIP	220	5%	1/10W
R88	1-216-033-00	RES, CHIP	220	5%	1/10W
R89	1-216-033-00	RES, CHIP	220	5%	1/10W
R90	1-216-033-00	RES, CHIP	220	5%	1/10W
R91	1-216-025-91	RES, CHIP	100	5%	1/10W
R92	1-216-025-91	RES, CHIP	100	5%	1/10W
R93	1-216-025-91	RES, CHIP	100	5%	1/10W
R94	1-216-025-91	RES, CHIP	100	5%	1/10W
R95	1-216-025-91	RES, CHIP	100	5%	1/10W
R96	1-216-033-00	RES, CHIP	220	5%	1/10W
R97	1-216-049-91	RES, CHIP	1K	5%	1/10W
R98	1-216-025-91	RES, CHIP	100	5%	1/10W
R99	1-216-033-00	RES, CHIP	220	5%	1/10W
R100	1-216-073-00	RES, CHIP	10K	5%	1/10W
R101	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R103	1-216-017-91	RES, CHIP	47	5%	1/10W
R104	1-216-017-91	RES, CHIP	47	5%	1/10W
R105	1-216-089-91	RES, CHIP	47K	5%	1/10W
R106	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R107	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R108	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R109	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R110	1-216-073-00	RES, CHIP	10K	5%	1/10W
R111	1-216-025-91	RES, CHIP	100	5%	1/10W
R112	1-216-025-91	RES, CHIP	100	5%	1/10W
R113	1-216-025-91	RES, CHIP	100	5%	1/10W
R114	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R115	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R116	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R117	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R118	1-216-089-91	RES, CHIP	47K	5%	1/10W
R119	1-216-089-91	RES, CHIP	47K	5%	1/10W
R120	1-216-033-00	RES, CHIP	220	5%	1/10W
R122	1-216-295-91	SHORT	0		
R123	1-216-295-91	SHORT	0		
R124	1-216-295-91	SHORT	0		
R126	1-216-295-91	SHORT	0		
R127	1-216-295-91	SHORT	0		
R131	1-216-295-91	SHORT	0		
R136	1-216-295-91	SHORT	0		
R137	1-216-295-91	SHORT	0		
R138	1-216-049-91	RES, CHIP	1K	5%	1/10W
R139	1-216-295-91	SHORT	0		
R140	1-216-049-91	RES, CHIP	1K	5%	1/10W
R141	1-216-691-11	METAL CHIP	47K	0.50%	1/10W
R142	1-216-089-91	RES, CHIP	47K	5%	1/10W
R143	1-216-295-91	SHORT	0		
R144	1-216-295-91	SHORT	0		
R145	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R147	1-216-295-91	SHORT	0		
R149	1-216-295-91	SHORT	0		
R150	1-216-025-91	RES, CHIP	100	5%	1/10W
R151	1-216-041-00	RES, CHIP	470	5%	1/10W
R152	1-216-041-00	RES, CHIP	470	5%	1/10W
R153	1-216-295-91	SHORT	0		
R154	1-216-295-91	SHORT	0		
R156	1-216-295-91	SHORT	0		
R158	1-216-049-91	RES, CHIP	1K	5%	1/10W
R159	1-216-049-91	RES, CHIP	1K	5%	1/10W
R160	1-216-033-00	RES, CHIP	220	5%	1/10W
R161	1-216-033-00	RES, CHIP	220	5%	1/10W
R162	1-216-033-00	RES, CHIP	220	5%	1/10W
R163	1-216-033-00	RES, CHIP	220	5%	1/10W
R164	1-216-025-91	RES, CHIP	100	5%	1/10W
R172	1-216-295-91	SHORT	0		
R173	1-216-295-91	SHORT	0		
R174	1-216-295-91	SHORT	0		
R177	1-216-025-91	RES, CHIP	100	5%	1/10W
R178	1-216-025-91	RES, CHIP	100	5%	1/10W
R179	1-216-033-00	RES, CHIP	220	5%	1/10W
R180	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R191	1-216-025-91	RES, CHIP	100	5%	1/10W
R192	1-216-025-91	RES, CHIP	100	5%	1/10W
R193	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R195	1-216-025-91	RES, CHIP	100	5%	1/10W
R196	1-216-025-91	RES, CHIP	100	5%	1/10W
R197	1-216-025-91	RES, CHIP	100	5%	1/10W
R198	1-216-025-91	RES, CHIP	100	5%	1/10W
R2001	1-216-089-91	RES, CHIP	47K	5%	1/10W
R2002	1-216-089-91	RES, CHIP	47K	5%	1/10W
R2003	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2004	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2005	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2006	1-216-097-91	RES, CHIP	100K	5%	1/10W
R2007	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R2008	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R2009	1-216-081-00	RES, CHIP	22K	5%	1/10W
R2010	1-216-033-00	RES, CHIP	220	5%	1/10W
R2011	1-216-033-00	RES, CHIP	220	5%	1/10W
R2012	1-216-033-00	RES, CHIP	220	5%	1/10W
R2013	1-216-033-00	RES, CHIP	220	5%	1/10W
R2014	1-216-025-91	RES, CHIP	100	5%	1/10W
R2015	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2016	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2017	1-216-089-91	RES, CHIP	47K	5%	1/10W
R2018	1-216-001-00	RES, CHIP	10	5%	1/10W
R2019	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R2020	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2021	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2022	1-216-033-00	RES, CHIP	220	5%	1/10W
R2028	1-216-647-11	METAL CHIP	680	0.50%	1/10W
R2029	1-216-627-11	METAL CHIP	100	0.50%	1/10W
R2030	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R2031	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R2032	1-216-649-11	METAL CHIP	820	0.50%	1/10W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R2033	1-216-295-91	SHORT	0		
R2037	1-216-097-91	RES, CHIP	100K	5%	1/10W
R2038	1-216-295-91	SHORT	0		
R2041	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R2042	1-216-687-11	METAL CHIP	33K	0.50%	1/10W
R2043	1-216-671-11	METAL CHIP	6.8K	0.50%	1/10W
R2044	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R2045	1-216-025-91	RES, CHIP	100	5%	1/10W
R2046	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2101	1-216-295-91	SHORT	0		
R2103	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2104	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2105	1-216-089-91	RES, CHIP	47K	5%	1/10W
R2106	1-216-077-00	RES, CHIP	15K	5%	1/10W
R2107	1-216-089-91	RES, CHIP	47K	5%	1/10W
R2108	1-216-075-00	RES, CHIP	12K	5%	1/10W
R2109	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R2110	1-216-037-00	RES, CHIP	330	5%	1/10W
R2111	1-216-055-00	RES, CHIP	1.8K	5%	1/10W
R2112	1-216-037-00	RES, CHIP	330	5%	1/10W
R2113	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R2114	1-216-041-00	RES, CHIP	470	5%	1/10W
R2115	1-216-295-91	SHORT	0		
R2117	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R2118	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R2119	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R2120	1-216-043-91	RES, CHIP	560	5%	1/10W
R2121	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2122	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2123	1-216-043-91	RES, CHIP	560	5%	1/10W
R2124	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R2126	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R2128	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R2129	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R2130	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R2131	1-216-646-11	METAL CHIP	620	0.50%	1/10W
R2132	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R2133	1-216-646-11	METAL CHIP	620	0.50%	1/10W
R2134	1-216-043-91	RES, CHIP	560	5%	1/10W
R2135	1-216-043-91	RES, CHIP	560	5%	1/10W
R2136	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2137	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2138	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2139	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2140	1-216-001-00	RES, CHIP	10	5%	1/10W
R2141	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2142	1-216-001-00	RES, CHIP	10	5%	1/10W
R2143	1-216-033-00	RES, CHIP	220	5%	1/10W
R2144	1-216-023-00	RES, CHIP	82	5%	1/10W
R2145	1-216-691-11	METAL CHIP	47K	0.50%	1/10W
R2146	1-216-071-00	RES, CHIP	8.2K	5%	1/10W
R2147	1-216-105-91	RES, CHIP	220K	5%	1/10W
R2148	1-216-025-91	RES, CHIP	100	5%	1/10W
R2149	1-216-025-91	RES, CHIP	100	5%	1/10W
R2150	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2151	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R2152	1-216-025-91	RES, CHIP	100	5%	1/10W
R2153	1-216-017-91	RES, CHIP	47	5%	1/10W
R2154	1-216-295-91	SHORT	0		
R2155	1-216-041-00	RES, CHIP	470	5%	1/10W
R2156	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R2157	1-216-295-91	SHORT	0		
R2158	1-216-025-91	RES, CHIP	100	5%	1/10W
R2159	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R2160	1-216-025-91	RES, CHIP	100	5%	1/10W
R2161	1-216-295-91	SHORT	0		
R2162	1-216-025-91	RES, CHIP	100	5%	1/10W
R2163	1-216-025-91	RES, CHIP	100	5%	1/10W
R2164	1-216-025-91	RES, CHIP	100	5%	1/10W
R2166	1-216-017-91	RES, CHIP	47	5%	1/10W
R2167	1-216-295-91	SHORT	0		
R2168	1-216-295-91	SHORT	0		
R2169	1-216-055-00	RES, CHIP	1.8K	5%	1/10W
R2170	1-216-055-00	RES, CHIP	1.8K	5%	1/10W
R2171	1-216-017-91	RES, CHIP	47	5%	1/10W
R2172	1-216-017-91	RES, CHIP	47	5%	1/10W
R2173	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2175	1-216-295-91	SHORT	0		
R2176	1-216-295-91	SHORT	0		
R2177	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R2178	1-216-121-91	RES, CHIP	1M	5%	1/10W
R2179	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R2180	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R2181	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R2182	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R2185	1-216-295-91	SHORT	0		
R2189	1-216-295-91	SHORT	0		
R2190	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R2191	1-216-041-00	RES, CHIP	470	5%	1/10W
R2192	1-216-295-91	SHORT	0		
R2195	1-216-295-91	SHORT	0		
R2302	1-216-043-91	RES, CHIP	560	5%	1/10W
R2303	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R2305	1-216-649-11	METAL CHIP	820	0.50%	1/10W
R2306	1-216-043-91	RES, CHIP	560	5%	1/10W
R2307	1-216-091-00	RES, CHIP	56K	5%	1/10W
R2308	1-216-295-91	SHORT	0		
R2309	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2310	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2311	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R2312	1-216-047-91	RES, CHIP	820	5%	1/10W
R2313	1-216-649-11	METAL CHIP	820	0.50%	1/10W
R2316	1-216-025-91	RES, CHIP	100	5%	1/10W
R2317	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R2318	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R2319	1-216-025-91	RES, CHIP	100	5%	1/10W
R2320	1-216-061-00	RES, CHIP	3.3K	5%	1/10W
R2321	1-216-089-91	RES, CHIP	47K	5%	1/10W
R2322	1-216-085-00	RES, CHIP	33K	5%	1/10W
R2323	1-216-089-91	RES, CHIP	47K	5%	1/10W
R2324	1-216-085-00	RES, CHIP	33K	5%	1/10W
R2325	1-216-057-00	RES, CHIP	2.2K	5%	1/10W

A

REF.NO.	PART NO.	DESCRIPTION			REMARK
R2326	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2327	1-216-638-11	METAL CHIP	300	0.50%	1/10W
R2328	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2330	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R2331	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R2332	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2333	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R2334	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2336	1-216-025-91	RES, CHIP	100	5%	1/10W
R2337	1-216-295-91	SHORT	0		
R2340	1-216-061-00	RES, CHIP	3.3K	5%	1/10W
R2341	1-216-089-91	RES, CHIP	47K	5%	1/10W
R2342	1-216-085-00	RES, CHIP	33K	5%	1/10W
R2343	1-216-295-91	SHORT	0		
R2348	1-216-295-91	SHORT	0		
R2349	1-216-295-91	SHORT	0		
R2350	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R2351	1-216-295-91	SHORT	0		
R2352	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R2354	1-216-025-91	RES, CHIP	100	5%	1/10W
R2355	1-216-017-91	RES, CHIP	47	5%	1/10W
R2356	1-216-017-91	RES, CHIP	47	5%	1/10W
R2358	1-216-025-91	RES, CHIP	100	5%	1/10W
R2359	1-216-025-91	RES, CHIP	100	5%	1/10W
R2360	1-216-025-91	RES, CHIP	100	5%	1/10W
R2361	1-216-025-91	RES, CHIP	100	5%	1/10W
R2362	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2363	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2366	1-216-295-91	SHORT	0		
R2367	1-216-295-91	SHORT	0		
R2368	1-216-041-00	RES, CHIP	470	5%	1/10W
R2369	1-216-041-00	RES, CHIP	470	5%	1/10W
R2371	1-216-295-91	SHORT	0		
R2372	1-216-089-91	RES, CHIP	47K	5%	1/10W
R2376	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2377	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2378	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2383	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2384	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2385	1-216-041-00	RES, CHIP	470	5%	1/10W
R2386	1-216-041-00	RES, CHIP	470	5%	1/10W
R2387	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2388	1-216-295-91	SHORT	0		
R2389	1-216-017-91	RES, CHIP	47	5%	1/10W
R2390	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R2391	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R2392	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R2393	1-216-295-91	SHORT	0		
R2394	1-216-025-91	RES, CHIP	100	5%	1/10W
R2395	1-216-025-91	RES, CHIP	100	5%	1/10W
R2396	1-216-025-91	RES, CHIP	100	5%	1/10W
R2397	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2398	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2399	1-216-640-11	METAL CHIP	360	0.50%	1/10W
R2501	1-216-089-91	RES, CHIP	47K	5%	1/10W
R2502	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2503	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2504	1-216-017-91	RES, CHIP	47	5%	1/10W
R2505	1-216-017-91	RES, CHIP	47	5%	1/10W
R2506	1-216-295-91	SHORT	0		
R2507	1-216-295-91	SHORT	0		
R2508	1-218-179-11	RES, CHIP	10M	5%	1/10W
R2509	1-218-179-11	RES, CHIP	10M	5%	1/10W
R2510	1-216-025-91	RES, CHIP	100	5%	1/10W
R2511	1-216-095-00	RES, CHIP	82K	5%	1/10W
R2512	1-218-179-11	RES, CHIP	10M	5%	1/10W
R2513	1-216-295-91	SHORT	0		
R2514	1-216-077-00	RES, CHIP	15K	5%	1/10W
R2516	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2518	1-216-647-11	METAL CHIP	680	0.50%	1/10W
R2523	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W
R2524	1-216-295-91	SHORT	0		
R2527	1-216-295-91	SHORT	0		
R2528	1-216-089-91	RES, CHIP	47K	5%	1/10W
R2529	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R2530	1-216-089-91	RES, CHIP	47K	5%	1/10W
R2531	1-216-295-91	SHORT	0		
R2534	1-216-646-11	METAL CHIP	620	0.50%	1/10W
R2535	1-216-649-11	METAL CHIP	820	0.50%	1/10W
R2536	1-216-295-91	SHORT	0		
R2538	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R2539	1-216-295-91	SHORT	0		
R2540	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R2541	1-216-649-11	METAL CHIP	820	0.50%	1/10W
R2542	1-216-033-00	RES, CHIP	220	5%	1/10W
R2543	1-216-295-91	SHORT	0		
R2544	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2545	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2547	1-216-017-91	RES, CHIP	47	5%	1/10W
R2548	1-216-017-91	RES, CHIP	47	5%	1/10W
R2549	1-216-025-91	RES, CHIP	100	5%	1/10W
R2550	1-216-025-91	RES, CHIP	100	5%	1/10W
R2551	1-216-025-91	RES, CHIP	100	5%	1/10W
R2552	1-216-025-91	RES, CHIP	100	5%	1/10W
R2553	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2554	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2555	1-216-025-91	RES, CHIP	100	5%	1/10W
R2557	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2558	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2584	1-216-295-91	SHORT	0		
R2588	1-216-295-91	SHORT	0		
R2589	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2590	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2591	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2592	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2593	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2594	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2597	1-216-025-91	RES, CHIP	100	5%	1/10W
R2599	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R2600	1-216-091-00	RES, CHIP	56K	5%	1/10W
R2601	1-216-033-00	RES, CHIP	220	5%	1/10W
R2602	1-216-049-91	RES, CHIP	1K	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R2603	1-216-083-00	RES, CHIP	27K	5%	1/10W
R2604	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2701	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R2702	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2703	1-216-055-00	RES, CHIP	1.8K	5%	1/10W
R2704	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2705	1-216-033-00	RES, CHIP	220	5%	1/10W
R2706	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2707	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2708	1-216-033-00	RES, CHIP	220	5%	1/10W
R2709	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2710	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R2711	1-216-041-00	RES, CHIP	470	5%	1/10W
R2712	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R2713	1-216-041-00	RES, CHIP	470	5%	1/10W
R2714	1-216-033-00	RES, CHIP	220	5%	1/10W
R2715	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2716	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R2717	1-216-037-00	RES, CHIP	330	5%	1/10W
R2718	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2719	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2720	1-216-043-91	RES, CHIP	560	5%	1/10W
R2721	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R2722	1-216-037-00	RES, CHIP	330	5%	1/10W
R6001	1-216-295-91	SHORT	0		
R6003	1-216-295-91	SHORT	0		
R6004	1-216-073-00	RES, CHIP	10K	5%	1/10W
R6005	1-216-025-91	RES, CHIP	100	5%	1/10W
R6006	1-216-073-00	RES, CHIP	10K	5%	1/10W
R6007	1-216-025-91	RES, CHIP	100	5%	1/10W
R6012	1-216-295-91	SHORT	0		
R6013	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R6014	1-216-295-91	SHORT	0		
R6015	1-216-025-91	RES, CHIP	100	5%	1/10W
R6016	1-216-025-91	RES, CHIP	100	5%	1/10W
R6017	1-216-025-91	RES, CHIP	100	5%	1/10W
R6018	1-216-025-91	RES, CHIP	100	5%	1/10W
R6019	1-216-025-91	RES, CHIP	100	5%	1/10W
R6020	1-216-295-91	SHORT	0		
R6021	1-216-295-91	SHORT	0		
R6022	1-216-049-91	RES, CHIP	1K	5%	1/10W
R6025	1-216-025-91	RES, CHIP	100	5%	1/10W
R6026	1-216-073-00	RES, CHIP	10K	5%	1/10W
R6027	1-216-025-91	RES, CHIP	100	5%	1/10W
R6028	1-216-295-91	SHORT	0		
R6029	1-216-025-91	RES, CHIP	100	5%	1/10W
R6030	1-216-025-91	RES, CHIP	100	5%	1/10W
R6031	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R6034	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R6036	1-216-295-91	SHORT	0		
R6037	1-216-295-91	SHORT	0		
R6038	1-216-049-91	RES, CHIP	1K	5%	1/10W
R6039	1-216-295-91	SHORT	0		
R6040	1-216-049-91	RES, CHIP	1K	5%	1/10W
R6041	1-216-025-91	RES, CHIP	100	5%	1/10W
R6042	1-216-295-91	SHORT	0		
R6043	1-216-049-91	RES, CHIP	1K	5%	1/10W
R6044	1-216-049-91	RES, CHIP	1K	5%	1/10W
R6045	1-216-295-91	SHORT	0		
R6046	1-216-025-91	RES, CHIP	100	5%	1/10W
R6047	1-216-025-91	RES, CHIP	100	5%	1/10W
R6048	1-216-025-91	RES, CHIP	100	5%	1/10W
R6050	1-216-025-91	RES, CHIP	100	5%	1/10W
R6051	1-216-025-91	RES, CHIP	100	5%	1/10W
R6052	1-216-025-91	RES, CHIP	100	5%	1/10W
R6053	1-216-025-91	RES, CHIP	100	5%	1/10W
R6055	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R6056	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R6057	1-216-295-91	SHORT	0		
R6061	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R6062	1-216-295-91	SHORT	0		
R6063	1-216-295-91	SHORT	0		
R6064	1-216-295-91	SHORT	0		
R6066	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R6070	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R6071	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R6078	1-216-017-91	RES, CHIP	47	5%	1/10W
R6079	1-216-017-91	RES, CHIP	47	5%	1/10W
R6080	1-216-295-91	SHORT	0		
R6090	1-216-013-00	RES, CHIP	33	5%	1/10W
R6091	1-216-295-91	SHORT	0		
R6092	1-216-295-91	SHORT	0		
R6093	1-216-295-91	SHORT	0		
R6094	1-216-295-91	SHORT	0		
R6095	1-216-073-00	RES, CHIP	10K	5%	1/10W
R6096	1-216-295-91	SHORT	0		
R6097	1-216-295-91	SHORT	0		
R6098	1-216-295-91	SHORT	0		
R6099	1-216-295-91	SHORT	0		
R6100	1-216-295-91	SHORT	0		
R6105	1-216-049-91	RES, CHIP	1K	5%	1/10W
R6106	1-216-025-91	RES, CHIP	100	5%	1/10W
R6107	1-216-059-00	RES, CHIP	2.7K	5%	1/10W
R6108	1-216-059-00	RES, CHIP	2.7K	5%	1/10W
R6109	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R6110	1-216-073-00	RES, CHIP	10K	5%	1/10W
R6111	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R6112	1-216-295-91	SHORT	0		
R6113	1-216-295-91	SHORT	0		
R6114	1-216-295-91	SHORT	0		
R6115	1-216-017-91	RES, CHIP	47	5%	1/10W
R6116	1-216-017-91	RES, CHIP	47	5%	1/10W
R6119	1-216-025-91	RES, CHIP	100	5%	1/10W
R6120	1-216-295-91	SHORT	0		
R6121	1-216-295-91	SHORT	0		
R6122	1-216-295-91	SHORT	0		
R6123	1-216-687-11	METAL CHIP	33K	0.50%	1/10W
R6125	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R6126	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R6127	1-216-073-00	RES, CHIP	10K	5%	1/10W
R6129	1-216-073-00	RES, CHIP	10K	5%	1/10W

A G

Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION			REMARK
R6131	1-216-073-00	RES, CHIP	10K	5%	1/10W
R6133	1-216-025-91	RES, CHIP	100	5%	1/10W
R6134	1-216-025-91	RES, CHIP	100	5%	1/10W
R6135	1-216-025-91	RES, CHIP	100	5%	1/10W
R6136	1-216-025-91	RES, CHIP	100	5%	1/10W
R6143	1-216-049-91	RES, CHIP	1K	5%	1/10W
R6144	1-216-133-00	RES, CHIP	3.3M	5%	1/10W
R6145	1-216-025-91	RES, CHIP	100	5%	1/10W
R6146	1-216-025-91	RES, CHIP	100	5%	1/10W
R6147	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R6151	1-216-017-91	RES, CHIP	47	5%	1/10W
R6152	1-216-017-91	RES, CHIP	47	5%	1/10W
R6153	1-216-295-91	SHORT	0		
R6154	1-216-295-91	SHORT	0		
R6155	1-216-295-91	SHORT	0		
R6156	1-216-025-91	RES, CHIP	100	5%	1/10W
R6157	1-216-025-91	RES, CHIP	100	5%	1/10W
R6158	1-216-691-11	METAL CHIP	47K	0.50%	1/10W
R6159	1-216-041-00	RES, CHIP	470	5%	1/10W
R6160	1-216-073-00	RES, CHIP	10K	5%	1/10W
R6161	1-216-073-00	RES, CHIP	10K	5%	1/10W
R6162	1-216-025-91	RES, CHIP	100	5%	1/10W
R6163	1-216-073-00	RES, CHIP	10K	5%	1/10W
R6164	1-216-073-00	RES, CHIP	10K	5%	1/10W
R6165	1-216-041-00	RES, CHIP	470	5%	1/10W
R6166	1-216-089-91	RES, CHIP	47K	5%	1/10W
R6167	1-216-089-91	RES, CHIP	47K	5%	1/10W
R6168	1-216-049-91	RES, CHIP	1K	5%	1/10W
R6169	1-216-089-91	RES, CHIP	47K	5%	1/10W
R6170	1-216-089-91	RES, CHIP	47K	5%	1/10W
R6171	1-216-049-91	RES, CHIP	1K	5%	1/10W
R6172	1-216-025-91	RES, CHIP	100	5%	1/10W
R6173	1-216-025-91	RES, CHIP	100	5%	1/10W
R6175	1-216-017-91	RES, CHIP	47	5%	1/10W
R6176	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R6178	1-216-017-91	RES, CHIP	47	5%	1/10W
R6179	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R6181	1-216-017-91	RES, CHIP	47	5%	1/10W
R6182	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R6183	1-216-059-00	RES, CHIP	2.7K	5%	1/10W
R6184	1-216-059-00	RES, CHIP	2.7K	5%	1/10W
R6187	1-216-025-91	RES, CHIP	100	5%	1/10W
R6188	1-216-025-91	RES, CHIP	100	5%	1/10W
R6189	1-216-025-91	RES, CHIP	100	5%	1/10W
R6190	1-216-025-91	RES, CHIP	100	5%	1/10W
R6191	1-216-025-91	RES, CHIP	100	5%	1/10W
R6192	1-216-025-91	RES, CHIP	100	5%	1/10W
R6193	1-216-073-00	RES, CHIP	10K	5%	1/10W
R6194	1-216-073-00	RES, CHIP	10K	5%	1/10W
R6195	1-216-073-00	RES, CHIP	10K	5%	1/10W
R6196	1-216-061-00	RES, CHIP	3.3K	5%	1/10W
R6197	1-216-061-00	RES, CHIP	3.3K	5%	1/10W
R6198	1-216-061-00	RES, CHIP	3.3K	5%	1/10W
R6208	1-216-295-91	SHORT	0		
R6209	1-216-295-91	SHORT	0		
R6210	1-216-295-91	SHORT	0		
R6211	1-216-049-91	RES, CHIP	1K	5%	1/10W
R6212	1-216-049-91	RES, CHIP	1K	5%	1/10W
R6213	1-216-049-91	RES, CHIP	1K	5%	1/10W

<VARIABLE RESISTOR>

RV21011-223-271-21	RES, ADJ, CERMET	220 (Y LEVEL)		
RV23011-223-377-11	RES, ADJ, CERMET	100 (Y-DTC)		

<CRYSTAL>

X1	1-760-014-11	VIBRATOR, CERAMIC		
X2	1-567-098-41	VIBRATOR, CRYSTAL		
X2101	1-767-882-21	VIBRATOR, CRYSTAL		
X2501	1-579-973-11	VIBRATOR, CRYSTAL		
X2502	1-760-191-11	VIBRATOR, CRYSTAL		
X2503	1-760-191-11	VIBRATOR, CRYSTAL		
X6001	1-767-262-11	VIBRATOR, CRYSTAL		

****

* A-1311-718-A G BOARD, COMPLETE
****

4-382-854-11 SCREW (M3X10), P, SW (+)
(IC601, Q601, D601, D651 - D654)

<CAPACITOR>

C601⚠	1-113-926-91	CERAMIC	0.0047MF		250V
C602⚠	1-113-926-91	CERAMIC	0.0047MF		250V
C603	1-129-720-00	FILM	0.033MF	5%	630V
C604	1-117-228-11	FILM	2.2MF	10%	450V
C605	1-117-753-11	ELECT(BLOCK)	470MF	20%	450V
C606⚠	1-113-926-91	CERAMIC	0.0047MF		250V
C607	1-164-143-11	CERAMIC	0.001MF	10%	1KV
C608	1-104-330-91	CERAMIC	470PF	10%	1KV
C609	1-136-169-00	FILM	0.22MF	5%	50V
C610	1-104-330-91	CERAMIC	470PF	10%	1KV
C611⚠	1-113-915-91	CERAMIC	0.001MF	20%	250V
C612	1-137-195-11	FILM	0.56MF	5%	50V
C613	1-137-195-11	FILM	0.56MF	5%	50V
C614	1-137-194-81	FILM	0.47MF	5%	50V
C616	1-137-194-81	FILM	0.47MF	5%	50V
C617	1-104-664-11	ELECT	47MF	20%	25V
C618⚠	1-113-924-91	CERAMIC	0.0047MF	20%	250V
C619⚠	1-113-924-91	CERAMIC	0.0047MF	20%	250V
C620⚠	1-104-708-51	FILM	0.47MF	20%	250V
C622⚠	1-107-533-51	FILM	1MF	20%	250V
C624⚠	1-113-915-91	CERAMIC	0.001MF	20%	250V
C625	1-164-143-11	CERAMIC	0.001MF	10%	1KV
C627⚠	1-113-915-91	CERAMIC	0.001MF	20%	250V
C651	1-111-092-11	ELECT	0.001F	20%	35V
C652	1-126-967-11	ELECT	47MF	20%	50V

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK
C653	1-102-129-00	CERAMIC 0.01MF 10% 50V	
C654	1-126-929-11	ELECT 4700MF 20% 10V	
C655	1-104-664-11	ELECT 47MF 20% 25V	
C656	1-102-129-00	CERAMIC 0.01MF 10% 50V	
C657	1-115-751-11	ELECT 0.01F 20% 10V	
C658	1-104-664-11	ELECT 47MF 20% 25V	
C659	1-102-129-00	CERAMIC 0.01MF 10% 50V	
C662	1-115-775-11	ELECT 0.0082F 20% 16V	
C663	1-102-129-00	CERAMIC 0.01MF 10% 50V	
C664	1-126-968-11	ELECT 100MF 20% 50V	
C665	1-126-963-11	ELECT 4.7MF 20% 50V	
C666	1-136-165-00	FILM 0.1MF 5% 50V	
C667	1-136-157-00	FILM 0.022MF 5% 50V	
C668	1-126-960-11	ELECT 1MF 20% 50V	
C669	1-136-153-00	FILM 0.01MF 5% 50V	
C670	1-136-153-00	FILM 0.01MF 5% 50V	
C671	1-126-965-11	ELECT 22MF 20% 50V	
C672	1-104-664-11	ELECT 47MF 20% 25V	
C673	1-126-963-11	ELECT 4.7MF 20% 50V	
C674	1-104-664-11	ELECT 47MF 20% 25V	
C675	1-102-129-00	CERAMIC 0.01MF 10% 50V	
C676	1-126-943-11	ELECT 2200MF 20% 25V	
C677	1-104-664-11	ELECT 47MF 20% 25V	
C678	1-102-129-00	CERAMIC 0.01MF 10% 50V	
C679	1-126-927-11	ELECT 2200MF 20% 10V	
C680	1-104-664-11	ELECT 47MF 20% 25V	
C681	1-102-129-00	CERAMIC 0.01MF 10% 50V	
C701	1-113-926-11	CERAMIC 0.0047MF 250V	
C702	1-126-968-11	ELECT 100MF 20% 50V	
C703	1-113-926-11	CERAMIC 0.0047MF 250V	
C704	1-111-259-91	ELECT 47MF 20% 450V	
C705	1-104-664-11	ELECT 47MF 20% 25V	
C706	1-111-259-91	ELECT 47MF 20% 450V	
C751	1-104-664-11	ELECT 47MF 20% 25V	
C752	1-102-129-00	CERAMIC 0.01MF 10% 50V	
C753	1-126-942-61	ELECT 1000MF 20% 25V	
C754	1-126-967-11	ELECT 47MF 20% 50V	

<CONNECTOR>

CN601	⚠	*1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P
CN602		*1-564-506-11	PLUG, CONNECTOR 3P
CN603		*1-564-509-11	PLUG, CONNECTOR 6P
CN604		*1-535-419-00	TAB, FASTEN (PCB)
CN605	⚠	*1-691-960-21	PIN, CONNECTOR (PC BOARD) 3P
CN606	⚠	*1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P
CN608		*1-535-419-00	TAB, FASTEN (PCB)
CN609		*1-535-419-00	TAB, FASTEN (PCB)
CN651		*1-564-509-11	PLUG, CONNECTOR 6P
CN652		*1-564-513-11	PLUG, CONNECTOR 10P
CN653		*1-564-512-11	PLUG, CONNECTOR 9P
CN654		*1-764-334-11	PLUG, CONNECTOR 11P

<DIODE>

D601	⚠	8-719-022-99	DIODE D6SB60L
D602		8-719-911-19	DIODE 1SS119-25
D603		8-719-911-19	DIODE 1SS119-25
D604		8-719-911-19	DIODE 1SS119-25
D605		8-719-911-19	DIODE 1SS119-25
D606		8-719-911-19	DIODE 1SS119-25
D651		8-719-510-41	DIODE D10SC9M
D652		8-719-510-12	DIODE D10SC4M
D653		8-719-052-92	DIODE D10SBS4F
D654		8-719-510-12	DIODE D10SC4M
D655		8-719-110-22	ZENER DIODE RD11ESB2
D656		8-719-063-73	DIODE D1NL20U-TR
D657		8-719-110-42	ZENER DIODE RD15ESB3
D658		8-719-911-19	DIODE 1SS119-25
D659		8-719-911-19	DIODE 1SS119-25
D661		8-719-911-19	DIODE 1SS119-25
D662		8-719-911-19	DIODE 1SS119-25
D663		8-719-110-02	ZENER DIODE RD7.5ESB1
D664		8-719-911-19	DIODE 1SS119-25
D665		8-719-911-19	DIODE 1SS119-25
D666		8-719-063-73	DIODE D1NL20U-TR
D667		8-719-110-08	ZENER DIODE RD8.2ESB2
D668		8-719-510-09	DIODE D10SC6M
D701		8-719-059-23	ZENER DIODE P6KE200AG23
D702		8-719-947-06	DIODE RGP10JPKG23
D703		8-719-068-00	DIODE ERC04-06SE
D704		8-719-063-73	DIODE D1NL20U-TR
D705		8-719-068-00	DIODE ERC04-06SE
D706		8-719-110-31	ZENER DIODE RD12ESB2
D707		8-719-109-97	ZENER DIODE RD6.8ESB2
D751		8-719-063-73	DIODE D1NL20U-TR
D752		8-719-510-73	DIODE S3L20UF4

<FUSE>

F601	⚠	1-576-233-11	FUSE (H.B.C.) (6.3A/250V)
		1-533-223-11	HOLDER, FUSE; F601

<FERRITE BEAD>

FB701		1-410-396-41	FERRITE 0.45UH

<IC>

IC601	⚠	8-749-015-27	IC MZ1540
IC651		8-759-198-31	IC UPC1093J-1-T
IC701		8-759-487-72	IC TOP222Y-BB

<COIL>

L601	⚠	1-416-913-11	INDUCTOR 230MMH
L602		1-413-090-00	INDUCTOR 110UH
L603		1-413-090-00	INDUCTOR 110UH
L604	⚠	1-413-090-00	INDUCTOR 110UH
L605	⚠	1-413-090-00	INDUCTOR 110UH
L651		1-412-519-11	INDUCTOR 3.3UH
L652		1-412-525-31	INDUCTOR 10UH

Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION				REMARK
L653	1-406-656-21	INDUCTOR	3.3UH			
L655	1-412-525-31	INDUCTOR	10UH			
L656	1-412-525-31	INDUCTOR	10UH			
L657	1-412-525-31	INDUCTOR	10UH			
L658	1-412-522-41	INDUCTOR	5.6UH			
L659	1-412-522-41	INDUCTOR	5.6UH			
L751	1-412-525-31	INDUCTOR	10UH			
		<PHOTO COUPLER>				
PH651⚠	8-749-010-65	PHOTO COUPLER PC123FY2				
		<TRANSISTOR>				
Q601	8-729-039-65	TRNSISTOR MX0541B-F				
Q602	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q603	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q652	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q653	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q654	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q655	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q656	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q657	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q659	8-729-119-76	TRANSISTOR 2SA1175-HFE				
		<RESISTOR>				
R601⚠	1-220-778-11	FUSIBLE	0.1	10%	1/2W	F
R602⚠	1-220-926-21	FUSIBLE	0.47	10%	1/2W	F
R603	1-247-863-91	CARBON	22K	5%	1/4W	
R604	1-260-127-11	CARBON	220K	5%	1/2W	
R605	1-260-127-11	CARBON	220K	5%	1/2W	
R606	1-260-127-11	CARBON	220K	5%	1/2W	
R607	1-260-127-11	CARBON	220K	5%	1/2W	
R608	1-215-911-11	METAL OXIDE	100	5%	3W	F
R609	1-217-152-00	METAL	0.33	10%	2W	
R610	1-217-152-00	METAL	0.33	10%	2W	
R611	1-260-306-51	CARBON	15	5%	1/2W	
R612	1-260-306-51	CARBON	15	5%	1/2W	
R613	1-249-389-11	CARBON	4.7	5%	1/4W	
R614	1-249-389-11	CARBON	4.7	5%	1/4W	
R615	1-215-863-11	METAL OXIDE	100	5%	1W	F
R616	1-249-429-11	CARBON	10K	5%	1/4W	
R619	1-249-429-11	CARBON	10K	5%	1/4W	
R620	1-247-807-31	CARBON	100	5%	1/4W	
R621	1-249-429-11	CARBON	10K	5%	1/4W	
R622	1-249-429-11	CARBON	10K	5%	1/4W	
R623⚠	1-202-880-91	SOLID	330K	20%	1/2W	
R627⚠	1-205-939-11	CEMENTED	10	5%	5W	F
R651	1-260-288-11	CARBON	0.47	5%	1/2W	
R652	1-249-425-11	CARBON	4.7K	5%	1/4W	
R653	1-216-350-11	METAL OXIDE	1.2	5%	1W	F
R654	1-249-425-11	CARBON	4.7K	5%	1/4W	
R655	1-247-863-91	CARBON	22K	5%	1/4W	
R656	1-249-429-11	CARBON	10K	5%	1/4W	
R657	1-215-428-00	METAL	2K	1%	1/4W	
R658	1-249-437-11	CARBON	47K	5%	1/4W	
R659	1-249-417-11	CARBON	1K	5%	1/4W	
R660	1-249-417-11	CARBON	1K	5%	1/4W	
R661	1-215-424-00	METAL	1.3K	1%	1/4W	
R662	1-249-425-11	CARBON	4.7K	5%	1/4W	
R663	1-249-429-11	CARBON	10K	5%	1/4W	
R664	1-249-417-11	CARBON	1K	5%	1/4W	
R665	1-249-421-11	CARBON	2.2K	5%	1/4W	
R666	1-249-417-11	CARBON	1K	5%	1/4W	
R667	1-249-417-11	CARBON	1K	5%	1/4W	
R668	1-249-421-11	CARBON	2.2K	5%	1/4W	
R669	1-249-421-11	CARBON	2.2K	5%	1/4W	
R670	1-249-417-11	CARBON	1K	5%	1/4W	
R671	1-249-417-11	CARBON	1K	5%	1/4W	
R672	1-249-429-11	CARBON	10K	5%	1/4W	
R677	1-247-815-91	CARBON	220	5%	1/4W	
R678	1-249-417-11	CARBON	1K	5%	1/4W	
R679	1-249-429-11	CARBON	10K	5%	1/4W	
R701	1-205-913-11	CEMENTED	3.3	5%	5W	F
R702	1-260-300-11	CARBON	4.7	5%	1/2W	
R703	1-247-791-91	CARBON	22	5%	1/4W	
R704	1-249-429-11	CARBON	10K	5%	1/4W	
		<RELAY>				
RY601⚠	1-515-999-11	RELAY, POWER				
RY602⚠	1-515-999-11	RELAY, POWER				
		<TRANSFORMER>				
T601 ⚠	1-433-570-11	TRANSFORMER, CONVERTER (PIT)				
T602 ⚠	1-429-992-21	TRANSFORMER, CONVERTER (PRT)				
T603 ⚠	1-431-493-11	TRANSFORMER, LINE FILTER				
T701 ⚠	1-433-569-11	TRANSFORMER, CONVERTER (SRT)				
		<THERMISTOR>				
TH601⚠	1-809-260-11	THERMISTOR, POWER				
		<VARISTOR>				
VDR601⚠	1-801-268-51	VARISTOR TNR14V471K660				

****

* A-1331-871-A CU BOARD, COMPLETE
****

		<CAPACITOR>				
C7001	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C7002	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C7003	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C7004	1-124-779-00	ELECT CHIP	10MF	20%	16V	

REF.NO.	PART NO.	DESCRIPTION			REMARK
C7005	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C7006	1-124-779-00	ELECT CHIP 10MF	20%	16V	
C7007	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C7009	1-104-760-11	CERAMIC CHIP 0.047MF	10%	50V	
C7010	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C7011	1-124-779-00	ELECT CHIP 10MF	20%	16V	
C7012	1-126-193-11	ELECT CHIP 1MF	20%	50V	
C7013	1-126-193-11	ELECT CHIP 1MF	20%	50V	
C7015	1-124-779-00	ELECT CHIP 10MF	20%	16V	
C7016	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C7017	1-124-779-00	ELECT CHIP 10MF	20%	16V	
C7018	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C7020	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C7021	1-126-204-11	ELECT CHIP 47MF	20%	16V	
C7022	1-104-760-11	CERAMIC CHIP 0.047MF	10%	50V	
C7023	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7024	1-126-204-11	ELECT CHIP 47MF	20%	16V	
C7026	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C7027	1-124-779-00	ELECT CHIP 10MF	20%	16V	
C7028	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7029	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7030	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C7032	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C7033	1-124-779-00	ELECT CHIP 10MF	20%	16V	
C7035	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C7036	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7037	1-124-779-00	ELECT CHIP 10MF	20%	16V	
C7038	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C7039	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7040	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7041	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7042	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7043	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7044	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7045	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C7046	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C7049	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7050	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7052	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7053	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7055	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7056	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7057	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7058	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7059	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7060	1-124-779-00	ELECT CHIP 10MF	20%	16V	
C7061	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7062	1-124-779-00	ELECT CHIP 10MF	20%	16V	
C7063	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7064	1-126-395-11	ELECT CHIP 22MF	20%	16V	
C7065	1-126-395-11	ELECT CHIP 22MF	20%	16V	
C7066	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7067	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C7068	1-164-505-11	CERAMIC CHIP 2.2MF		16V	
C7069	1-164-505-11	CERAMIC CHIP 2.2MF		16V	

<CONNECTOR>

CN7001	1-564-524-11	PLUG, CONNECTOR	9P		
CN7002*	1-564-521-11	PLUG, CONNECTOR	6P		

<DIODE>

D7001	8-719-058-24	DIODE RB501V-40TE-17			
D7002	8-719-058-24	DIODE RB501V-40TE-17			

<IC>

IC7001	8-752-068-37	IC CXA1726AM			
IC7002	8-752-068-37	IC CXA1726AM			
IC7003	8-752-068-37	IC CXA1726AM			
IC7004	8-752-065-69	IC CXA1470AS			
IC7005	8-759-271-86	IC TC7SH04FU			
IC7006	8-759-271-86	IC TC7SH04FU			
IC7007	8-752-068-37	IC CXA1726AM			
IC7008	8-752-068-37	IC CXA1726AM			
IC7009	8-759-175-02	IC TL074CPW			
IC7010	8-759-175-02	IC TL074CPW			
IC7011	8-752-072-94	IC CXA1875AM-T4			
IC7012	8-759-495-02	IC UPD6221GS-E2			
IC7013	8-759-495-02	IC UPD6221GS-E2			
IC7015	8-759-175-02	IC TL074CPW			
IC7016	8-759-175-02	IC TL074CPW			

<COIL>

L7001	1-414-754-11	INDUCTOR	10UH		
L7002	1-414-754-11	INDUCTOR	10UH		
L7003	1-414-754-11	INDUCTOR	10UH		
L7004	1-414-753-91	INDUCTOR	4.7UH		
L7005	1-414-753-91	INDUCTOR	4.7UH		

<TRANSISTOR>

Q7001	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q7002	8-729-902-96	TRANSISTOR FMS1			
Q7003	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q7004	8-729-902-96	TRANSISTOR FMS1			
Q7005	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q7006	8-729-902-96	TRANSISTOR FMS1			
Q7007	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q7008	8-729-902-96	TRANSISTOR FMS1			
Q7009	8-729-402-84	TRANSISTOR XN4601			
Q7010	8-729-402-84	TRANSISTOR XN4601			
Q7011	8-729-402-84	TRANSISTOR XN4601			
Q7012	8-729-402-84	TRANSISTOR XN4601			

<RESISTOR>

R7001	1-216-083-00	RES, CHIP	27K	5%	1/10W
R7002	1-216-083-00	RES, CHIP	27K	5%	1/10W
R7003	1-216-083-00	RES, CHIP	27K	5%	1/10W
R7004	1-216-083-00	RES, CHIP	27K	5%	1/10W
R7005	1-216-295-91	SHORT	0		

CU

REF.NO.	PART NO.	DESCRIPTION			REMARK
R7006	1-216-083-00	RES, CHIP	27K	5%	1/10W
R7007	1-216-083-00	RES, CHIP	27K	5%	1/10W
R7008	1-216-083-00	RES, CHIP	27K	5%	1/10W
R7009	1-216-083-00	RES, CHIP	27K	5%	1/10W
R7010	1-216-295-91	SHORT	0		
R7011	1-216-073-00	RES, CHIP	10K	5%	1/10W
R7012	1-216-077-00	RES, CHIP	15K	5%	1/10W
R7014	1-216-077-00	RES, CHIP	15K	5%	1/10W
R7015	1-216-097-91	RES, CHIP	100K	5%	1/10W
R7016	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7018	1-216-025-91	RES, CHIP	100	5%	1/10W
R7020	1-216-025-91	RES, CHIP	100	5%	1/10W
R7021	1-216-025-91	RES, CHIP	100	5%	1/10W
R7022	1-216-025-91	RES, CHIP	100	5%	1/10W
R7023	1-216-025-91	RES, CHIP	100	5%	1/10W
R7024	1-216-025-91	RES, CHIP	100	5%	1/10W
R7025	1-216-025-91	RES, CHIP	100	5%	1/10W
R7026	1-216-025-91	RES, CHIP	100	5%	1/10W
R7027	1-216-025-91	RES, CHIP	100	5%	1/10W
R7028	1-216-025-91	RES, CHIP	100	5%	1/10W
R7029	1-216-025-91	RES, CHIP	100	5%	1/10W
R7030	1-216-025-91	RES, CHIP	100	5%	1/10W
R7031	1-216-025-91	RES, CHIP	100	5%	1/10W
R7032	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7033	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R7034	1-216-073-00	RES, CHIP	10K	5%	1/10W
R7035	1-216-073-00	RES, CHIP	10K	5%	1/10W
R7037	1-216-025-91	RES, CHIP	100	5%	1/10W
R7039	1-216-025-91	RES, CHIP	100	5%	1/10W
R7041	1-216-025-91	RES, CHIP	100	5%	1/10W
R7043	1-216-083-00	RES, CHIP	27K	5%	1/10W
R7044	1-216-295-91	SHORT	0		
R7045	1-216-083-00	RES, CHIP	27K	5%	1/10W
R7047	1-216-083-00	RES, CHIP	27K	5%	1/10W
R7048	1-216-295-91	SHORT	0		
R7049	1-216-083-00	RES, CHIP	27K	5%	1/10W
R7050	1-216-089-91	RES, CHIP	47K	5%	1/10W
R7051	1-216-671-11	METAL CHIP	6.8K	0.50%	1/10W
R7052	1-216-073-00	RES, CHIP	10K	5%	1/10W
R7053	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R7054	1-216-692-11	METAL CHIP	51K	0.50%	1/10W
R7056	1-216-073-00	RES, CHIP	10K	5%	1/10W
R7058	1-216-097-91	RES, CHIP	100K	5%	1/10W
R7059	1-216-097-91	RES, CHIP	100K	5%	1/10W
R7060	1-216-097-91	RES, CHIP	100K	5%	1/10W
R7062	1-216-025-91	RES, CHIP	100	5%	1/10W
R7063	1-216-025-91	RES, CHIP	100	5%	1/10W
R7064	1-216-025-91	RES, CHIP	100	5%	1/10W
R7065	1-216-025-91	RES, CHIP	100	5%	1/10W
R7066	1-216-025-91	RES, CHIP	100	5%	1/10W
R7067	1-216-025-91	RES, CHIP	100	5%	1/10W
R7068	1-216-025-91	RES, CHIP	100	5%	1/10W
R7069	1-216-295-91	SHORT	0		
R7070	1-216-295-91	SHORT	0		
R7072	1-216-025-91	RES, CHIP	100	5%	1/10W
R7073	1-216-025-91	RES, CHIP	100	5%	1/10W
R7074	1-216-025-91	RES, CHIP	100	5%	1/10W
R7075	1-216-025-91	RES, CHIP	100	5%	1/10W
R7076	1-216-025-91	RES, CHIP	100	5%	1/10W
R7077	1-216-295-91	SHORT	0		
R7078	1-216-295-91	SHORT	0		
R7080	1-216-025-91	RES, CHIP	100	5%	1/10W
R7081	1-216-025-91	RES, CHIP	100	5%	1/10W
R7082	1-216-025-91	RES, CHIP	100	5%	1/10W
R7083	1-216-025-91	RES, CHIP	100	5%	1/10W
R7087	1-216-025-91	RES, CHIP	100	5%	1/10W
R7088	1-216-025-91	RES, CHIP	100	5%	1/10W
R7089	1-216-025-91	RES, CHIP	100	5%	1/10W
R7092	1-216-073-00	RES, CHIP	10K	5%	1/10W
R7094	1-216-073-00	RES, CHIP	10K	5%	1/10W
R7097	1-216-025-91	RES, CHIP	100	5%	1/10W
R7098	1-216-073-00	RES, CHIP	10K	5%	1/10W
R7099	1-216-089-91	RES, CHIP	47K	5%	1/10W
R7101	1-216-073-00	RES, CHIP	10K	5%	1/10W
R7102	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R7107	1-216-073-00	RES, CHIP	10K	5%	1/10W
R7109	1-216-025-91	RES, CHIP	100	5%	1/10W
R7112	1-216-025-91	RES, CHIP	100	5%	1/10W
R7113	1-216-089-91	RES, CHIP	47K	5%	1/10W
R7115	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R7116	1-216-085-00	RES, CHIP	33K	5%	1/10W
R7117	1-216-085-00	RES, CHIP	33K	5%	1/10W
R7118	1-216-025-91	RES, CHIP	100	5%	1/10W
R7119	1-216-025-91	RES, CHIP	100	5%	1/10W
R7120	1-216-025-91	RES, CHIP	100	5%	1/10W
R7121	1-216-025-91	RES, CHIP	100	5%	1/10W
R7122	1-216-025-91	RES, CHIP	100	5%	1/10W
R7123	1-216-025-91	RES, CHIP	100	5%	1/10W
R7124	1-216-025-91	RES, CHIP	100	5%	1/10W
R7125	1-216-025-91	RES, CHIP	100	5%	1/10W
R7126	1-216-025-91	RES, CHIP	100	5%	1/10W
R7128	1-216-025-91	RES, CHIP	100	5%	1/10W
R7129	1-216-025-91	RES, CHIP	100	5%	1/10W
R7131	1-216-025-91	RES, CHIP	100	5%	1/10W
R7132	1-216-025-91	RES, CHIP	100	5%	1/10W
R7133	1-216-025-91	RES, CHIP	100	5%	1/10W
R7134	1-216-085-00	RES, CHIP	33K	5%	1/10W
R7135	1-216-077-00	RES, CHIP	15K	5%	1/10W
R7136	1-216-085-00	RES, CHIP	33K	5%	1/10W
R7137	1-216-085-00	RES, CHIP	33K	5%	1/10W
R7138	1-216-077-00	RES, CHIP	15K	5%	1/10W
R7139	1-216-085-00	RES, CHIP	33K	5%	1/10W
R7140	1-216-073-00	RES, CHIP	10K	5%	1/10W
R7142	1-216-025-91	RES, CHIP	100	5%	1/10W
R7144	1-216-089-91	RES, CHIP	47K	5%	1/10W
R7145	1-216-025-91	RES, CHIP	100	5%	1/10W
R7146	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R7147	1-216-025-91	RES, CHIP	100	5%	1/10W
R7148	1-216-025-91	RES, CHIP	100	5%	1/10W
R7149	1-216-085-00	RES, CHIP	33K	5%	1/10W
R7150	1-216-085-00	RES, CHIP	33K	5%	1/10W
R7151	1-216-025-91	RES, CHIP	100	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R7152	1-216-025-91	RES, CHIP	100	5%	1/10W
R7153	1-216-025-91	RES, CHIP	100	5%	1/10W
R7154	1-216-025-91	RES, CHIP	100	5%	1/10W
R7155	1-216-085-00	RES, CHIP	33K	5%	1/10W
R7156	1-216-085-00	RES, CHIP	33K	5%	1/10W
R7157	1-216-025-91	RES, CHIP	100	5%	1/10W
R7158	1-216-025-91	RES, CHIP	100	5%	1/10W
R7159	1-216-077-00	RES, CHIP	15K	5%	1/10W
R7160	1-216-077-00	RES, CHIP	15K	5%	1/10W
R7161	1-216-085-00	RES, CHIP	33K	5%	1/10W
R7162	1-216-085-00	RES, CHIP	33K	5%	1/10W
R7163	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7164	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7165	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7166	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7167	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7168	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7169	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7170	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7171	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7172	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7173	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7174	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7176	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7177	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7178	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7179	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7180	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7181	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7182	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R7183	1-216-025-91	RES, CHIP	100	5%	1/10W
R7184	1-216-025-91	RES, CHIP	100	5%	1/10W
R7185	1-216-025-91	RES, CHIP	100	5%	1/10W
R7186	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7187	1-216-017-91	RES, CHIP	47	5%	1/10W
R7188	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R7189	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7190	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7191	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7192	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7193	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7194	1-216-073-00	RES, CHIP	10K	5%	1/10W
R7195	1-216-073-00	RES, CHIP	10K	5%	1/10W
R7196	1-216-025-91	RES, CHIP	100	5%	1/10W
R7197	1-216-025-91	RES, CHIP	100	5%	1/10W
R7198	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7199	1-216-025-91	RES, CHIP	100	5%	1/10W
R7200	1-216-025-91	RES, CHIP	100	5%	1/10W
R7201	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7202	1-216-025-91	RES, CHIP	100	5%	1/10W
R7203	1-216-025-91	RES, CHIP	100	5%	1/10W
R7204	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7205	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7206	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R7207	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7208	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7209	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7210	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7212	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7213	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7214	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7215	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7216	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7217	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7218	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7219	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7220	1-216-025-91	RES, CHIP	100	5%	1/10W
R7221	1-216-017-91	RES, CHIP	47	5%	1/10W
R7222	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R7223	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7224	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7225	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7226	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7227	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7228	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7229	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7230	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7231	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7232	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7233	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7234	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7235	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7236	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7237	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7238	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7239	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7240	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7241	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7242	1-216-295-91	SHORT	0		
R7243	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7244	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R7245	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7247	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7248	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R7249	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7250	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7251	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7252	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7253	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7254	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7255	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7256	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7257	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7258	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7259	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7260	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R7261	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R7262	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7263	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7264	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R7265	1-216-017-91	RES, CHIP	47	5%	1/10W

C

REF.NO.	PART NO.	DESCRIPTION			REMARK
R7266	1-216-017-91	RES, CHIP	47	5%	1/10W

****

* A-1335-108-A C BOARD, COMPLETE
****

<CAPACITOR>

C5001	1-126-204-11	ELECT CHIP	47MF	20%	16V
C5002	1-126-204-11	ELECT CHIP	47MF	20%	16V
C5003	1-128-400-11	ELECT CHIP	47MF	20%	25V
C5004	1-126-204-11	ELECT CHIP	47MF	20%	16V
C5005	1-128-400-11	ELECT CHIP	47MF	20%	25V
C5006	1-128-400-11	ELECT CHIP	47MF	20%	25V
C5101	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5102	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5104	1-163-143-00	CERAMIC CHIP	0.0012MF	5%	50V
C5105	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C5106	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5107	1-110-501-11	CERAMIC CHIP	0.33MF	10%	16V
C5108	1-126-204-11	ELECT CHIP	47MF	20%	16V
C5109	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5110	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5111	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5112	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5113	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C5114	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5115	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5116	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5117	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5118	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5119	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5120	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5121	1-124-779-00	ELECT CHIP	10MF	20%	16V
C5122	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5123	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5124	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5125	1-115-156-11	CERAMIC CHIP	1MF		10V
C5126	1-126-204-11	ELECT CHIP	47MF	20%	16V
C5127	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5128	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5129	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5130	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5131	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5148	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5201	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5202	1-128-400-11	ELECT CHIP	47MF	20%	25V
C5203	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5205	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5206	1-117-681-11	ELECT CHIP	100MF	20%	16V
C5207	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5208	1-126-204-11	ELECT CHIP	47MF	20%	16V
C5209	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5211	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5212	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5214	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5215	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C5401	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5402	1-128-400-11	ELECT CHIP	47MF	20%	25V
C5403	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5405	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5406	1-117-681-11	ELECT CHIP	100MF	20%	16V
C5407	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5408	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5409	1-126-204-11	ELECT CHIP	47MF	20%	16V
C5411	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5412	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5414	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5416	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C5601	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5602	1-128-400-11	ELECT CHIP	47MF	20%	25V
C5603	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5605	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5606	1-117-681-11	ELECT CHIP	100MF	20%	16V
C5607	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5608	1-126-204-11	ELECT CHIP	47MF	20%	16V
C5609	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5611	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5612	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5614	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5616	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C5801	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5802	1-126-204-11	ELECT CHIP	47MF	20%	16V
C5803	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5804	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5805	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5806	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5807	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5808	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5809	1-126-204-11	ELECT CHIP	47MF	20%	16V
C5812	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5814	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5820	1-126-204-11	ELECT CHIP	47MF	20%	16V
C5821	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5822	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C5823	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C5824	1-164-156-11	CERAMIC CHIP	0.1MF		25V

<CONNECTOR>

CN5001*1-760-388-11 CONNECTOR PIN (SMD) 9 PIN
CN5002*1-580-756-21 PIN, CONNECTOR 7P
CN5003*1-569-775-21 PIN, CONNECTOR 5P
CN5004 1-695-223-21 PIN, CONNECTOR (SMD) 10P
CN5005*1-580-789-21 PIN, CONNECTOR (SMD) 6P

CN5006*1-580-056-21 PIN, CONNECTOR 3P”

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN5201	*1-784-277-21	CONNECTOR, FFC/FPC 32P	
CN5401	*1-784-277-21	CONNECTOR, FFC/FPC 32P	
CN5601	*1-784-277-21	CONNECTOR, FFC/FPC 32P	
		<DIODE>	
D5001	8-719-404-50	DIODE MA111-TX	
D5002	8-719-404-50	DIODE MA111-TX	
D5003	8-719-404-50	DIODE MA111-TX	
D5004	8-719-404-50	DIODE MA111-TX	
D5801	8-719-404-50	DIODE MA111-TX	
D5802	8-719-404-50	DIODE MA111-TX	
D5803	8-719-404-50	DIODE MA111-TX	
D5804	8-719-404-50	DIODE MA111-TX	
		<FERRITE BEAD>	
FB5101	1-216-864-11	SHORT	0
FB5102	1-216-295-91	SHORT	0
FB5103	1-216-295-91	SHORT	0
FB5201	1-414-227-11	INDUCTOR CHIP	
FB5202	1-216-864-11	SHORT	0
FB5203	1-216-864-11	SHORT	0
FB5204	1-216-864-11	SHORT	0
FB5205	1-216-864-11	SHORT	0
FB5206	1-216-864-11	SHORT	0
FB5207	1-216-864-11	SHORT	0
FB5208	1-216-864-11	SHORT	0
FB5209	1-216-864-11	SHORT	0
FB5210	1-216-864-11	SHORT	0
FB5211	1-216-864-11	SHORT	0
FB5212	1-216-864-11	SHORT	0
FB5213	1-216-864-11	SHORT	0
FB5214	1-216-864-11	SHORT	0
FB5215	1-414-760-21	INDUCTOR CHIP	
FB5216	1-216-864-11	SHORT	0
FB5217	1-216-864-11	SHORT	0
FB5218	1-216-864-11	SHORT	0
FB5219	1-216-864-11	SHORT	0
FB5220	1-216-864-11	SHORT	0
FB5221	1-216-864-11	SHORT	0
FB5222	1-216-864-11	SHORT	0
FB5223	1-216-864-11	SHORT	0
FB5224	1-216-864-11	SHORT	0
FB5225	1-216-864-11	SHORT	0
FB5226	1-216-864-11	SHORT	0
FB5401	1-414-227-11	INDUCTOR CHIP	
FB5402	1-216-864-11	SHORT	0
FB5403	1-216-864-11	SHORT	0
FB5404	1-216-864-11	SHORT	0
FB5405	1-216-864-11	SHORT	0
FB5406	1-216-864-11	SHORT	0
FB5407	1-216-864-11	SHORT	0
FB5408	1-216-864-11	SHORT	0
FB5409	1-216-864-11	SHORT	0
FB5410	1-216-864-11	SHORT	0
FB5411	1-216-864-11	SHORT	0
FB5412	1-216-864-11	SHORT	0
FB5413	1-216-864-11	SHORT	0
FB5414	1-216-864-11	SHORT	0
FB5415	1-414-760-21	INDUCTOR CHIP	
FB5416	1-216-864-11	SHORT	0
FB5417	1-216-864-11	SHORT	0
FB5418	1-216-864-11	SHORT	0
FB5419	1-216-864-11	SHORT	0
FB5420	1-216-864-11	SHORT	0
FB5421	1-216-864-11	SHORT	0
FB5422	1-216-864-11	SHORT	0
FB5423	1-216-864-11	SHORT	0
FB5424	1-216-864-11	SHORT	0
FB5425	1-216-864-11	SHORT	0
FB5426	1-216-864-11	SHORT	0
FB5601	1-414-227-11	INDUCTOR CHIP	
FB5602	1-216-864-11	SHORT	0
FB5603	1-216-864-11	SHORT	0
FB5604	1-216-864-11	SHORT	0
FB5605	1-216-864-11	SHORT	0
FB5606	1-216-864-11	SHORT	0
FB5607	1-216-864-11	SHORT	0
FB5608	1-216-864-11	SHORT	0
FB5609	1-216-864-11	SHORT	0
FB5610	1-216-864-11	SHORT	0
FB5611	1-216-864-11	SHORT	0
FB5612	1-216-864-11	SHORT	0
FB5613	1-216-864-11	SHORT	0
FB5614	1-216-864-11	SHORT	0
FB5615	1-414-760-21	INDUCTOR CHIP	
FB5616	1-216-864-11	SHORT	0
FB5617	1-216-864-11	SHORT	0
FB5618	1-216-864-11	SHORT	0
FB5619	1-216-864-11	SHORT	0
FB5620	1-216-864-11	SHORT	0
FB5621	1-216-864-11	SHORT	0
FB5622	1-216-864-11	SHORT	0
FB5623	1-216-864-11	SHORT	0
FB5624	1-216-864-11	SHORT	0
FB5625	1-216-864-11	SHORT	0
FB5626	1-216-864-11	SHORT	0
FB5801	1-414-227-11	INDUCTOR CHIP	
FB5802	1-414-227-11	INDUCTOR CHIP	
FB5803	1-414-227-11	INDUCTOR CHIP	
		<FILTER>	
FL5001	1-233-512-21	FERRITE	37UH
FL5002	1-233-512-21	FERRITE	37UH
FL5003	1-233-512-21	FERRITE	37UH
FL5004	1-233-512-21	FERRITE	37UH
FL5005	1-233-512-21	FERRITE	37UH
FL5006	1-233-512-21	FERRITE	37UH
FL5007	1-233-512-21	FERRITE	37UH
FL5008	1-233-512-21	FERRITE	37UH
FL5009	1-233-736-21	FILTER, EMI	
FL5010	1-233-736-21	FILTER, EMI	

C

REF.NO.	PART NO.	DESCRIPTION	REMARK
FL5011	1-233-830-11	FERRITE 37UH	
FL5012	1-233-830-11	FERRITE 37UH	
FL5013	1-233-830-11	FERRITE 37UH	
FL5014	1-233-830-11	FERRITE 37UH	
FL5015	1-233-830-11	FERRITE 37UH	
FL5016	1-233-512-21	FERRITE 37UH	
		<IC>	
IC5001	8-759-259-77	IC PQ20VZ5U	
IC5002	8-759-259-77	IC PQ20VZ5U	
IC5003	8-759-431-14	IC PQ3TZ53U	
IC5004	8-759-157-17	IC PQ05SZ1U	
IC5101	8-752-386-66	IC CXD2453Q	
IC5102	8-752-086-21	IC CXA3106AQ-T6	
IC5103	8-759-238-26	IC TC74HCT244AF-TP2	
IC5104	8-759-238-26	IC TC74HCT244AF-TP2	
IC5105	8-759-185-25	IC TC74HCT86AF(EL)	
IC5106	8-759-184-64	IC TC4W66FU	
IC5201	8-752-080-99	IC CXA2112R	
IC5202	8-752-080-99	IC CXA2112R	
IC5401	8-752-080-99	IC CXA2112R	
IC5402	8-752-080-99	IC CXA2112R	
IC5601	8-752-080-99	IC CXA2112R	
IC5602	8-752-080-99	IC CXA2112R	
IC5801	8-752-088-08	IC CXA2111R-T6	
IC5802	8-759-290-12	IC M62370GP-650D	
IC5803	8-759-331-71	IC NJM4558E(TE2)	
IC5804	8-759-527-74	IC M24C02-MN6T	
IC5805	8-759-042-02	IC S-80743AL-A7-S	
IC5806	8-752-072-94	IC CXA1875AM-T4	
IC5807	8-759-331-71	IC NJM4558E(TE2)	
		<COIL>	
L5101	1-412-029-11	INDUCTOR CHIP 10UH	
L5102	1-412-029-11	INDUCTOR CHIP 10UH	
L5201	1-412-028-11	INDUCTOR CHIP 4.7UH	
L5202	1-412-029-11	INDUCTOR CHIP 10UH	
L5401	1-412-028-11	INDUCTOR CHIP 4.7UH	
L5402	1-412-029-11	INDUCTOR CHIP 10UH	
L5601	1-412-028-11	INDUCTOR CHIP 4.7UH	
L5602	1-412-029-11	INDUCTOR CHIP 10UH	
L5802	1-412-029-11	INDUCTOR CHIP 10UH	
L5803	1-412-029-11	INDUCTOR CHIP 10UH	
L5804	1-412-029-11	INDUCTOR CHIP 10UH	
L5805	1-412-029-11	INDUCTOR CHIP 10UH	
L5806	1-412-029-11	INDUCTOR CHIP 10UH	
L5807	1-412-029-11	INDUCTOR CHIP 10UH	
		<TRANSISTOR>	
Q5101	8-729-920-21	TRANSISTOR DTC314TK-T-146	
Q5201	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q5202	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q5401	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q5402	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q5601	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q5602	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q5801	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q5802	8-729-422-27	TRANSISTOR 2SD601A-Q	
		<RESISTOR>	
R5001	1-216-864-11	SHORT 0	
R5002	1-216-864-11	SHORT 0	
R5003	1-216-833-11	RES, CHIP 10K 5% 1/16W	
R5004	1-216-682-11	METAL CHIP 20K 0.50% 1/10W	
R5005	1-216-673-11	METAL CHIP 8.2K 0.50% 1/10W	
R5006	1-216-833-11	RES, CHIP 10K 5% 1/16W	
R5007	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R5008	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R5009	1-216-809-11	RES, CHIP 100 5% 1/16W	
R5010	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R5011	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R5012	1-216-829-11	RES, CHIP 4.7K 5% 1/16W	
R5013	1-216-644-11	METAL CHIP 510 0.50% 1/10W	
R5014	1-216-829-11	RES, CHIP 4.7K 5% 1/16W	
R5015	1-216-644-11	METAL CHIP 510 0.50% 1/10W	
R5017	1-216-644-11	METAL CHIP 510 0.50% 1/10W	
R5018	1-216-295-91	SHORT 0	
R5019	1-216-295-91	SHORT 0	
R5103	1-216-864-11	SHORT 0	
R5104	1-216-864-11	SHORT 0	
R5105	1-218-704-11	METAL CHIP 3.3K 0.50% 1/16W	
R5106	1-216-864-11	SHORT 0	
R5108	1-216-845-11	RES, CHIP 100K 5% 1/16W	
R5109	1-216-809-11	RES, CHIP 100 5% 1/16W	
R5111	1-216-809-11	RES, CHIP 100 5% 1/16W	
R5112	1-216-809-11	RES, CHIP 100 5% 1/16W	
R5113	1-216-809-11	RES, CHIP 100 5% 1/16W	
R5114	1-216-656-11	METAL CHIP 1.6K 0.50% 1/10W	
R5115	1-216-809-11	RES, CHIP 100 5% 1/16W	
R5116	1-216-809-11	RES, CHIP 100 5% 1/16W	
R5118	1-216-809-11	RES, CHIP 100 5% 1/16W	
R5120	1-216-864-11	SHORT 0	
R5121	1-216-797-11	RES, CHIP 10 5% 1/16W	
R5122	1-216-797-11	RES, CHIP 10 5% 1/16W	
R5123	1-216-797-11	RES, CHIP 10 5% 1/16W	
R5124	1-216-797-11	RES, CHIP 10 5% 1/16W	
R5125	1-216-797-11	RES, CHIP 10 5% 1/16W	
R5126	1-216-797-11	RES, CHIP 10 5% 1/16W	
R5127	1-216-797-11	RES, CHIP 10 5% 1/16W	
R5128	1-216-797-11	RES, CHIP 10 5% 1/16W	
R5129	1-216-797-11	RES, CHIP 10 5% 1/16W	
R5130	1-216-797-11	RES, CHIP 10 5% 1/16W	
R5131	1-216-797-11	RES, CHIP 10 5% 1/16W	
R5132	1-216-797-11	RES, CHIP 10 5% 1/16W	
R5133	1-216-829-11	RES, CHIP 4.7K 5% 1/16W	
R5134	1-216-797-11	RES, CHIP 10 5% 1/16W	
R5135	1-216-839-11	RES, CHIP 33K 5% 1/16W	
R5136	1-216-797-11	RES, CHIP 10 5% 1/16W	

REF.NO.	PART NO.	DESCRIPTION			REMARK
R5137	1-216-797-11	RES, CHIP	10	5%	1/16W
R5138	1-216-797-11	RES, CHIP	10	5%	1/16W
R5139	1-216-797-11	RES, CHIP	10	5%	1/16W
R5140	1-216-797-11	RES, CHIP	10	5%	1/16W
R5141	1-216-797-11	RES, CHIP	10	5%	1/16W
R5142	1-216-797-11	RES, CHIP	10	5%	1/16W
R5143	1-216-797-11	RES, CHIP	10	5%	1/16W
R5144	1-216-797-11	RES, CHIP	10	5%	1/16W
R5145	1-216-797-11	RES, CHIP	10	5%	1/16W
R5146	1-216-797-11	RES, CHIP	10	5%	1/16W
R5147	1-216-797-11	RES, CHIP	10	5%	1/16W
R5148	1-216-797-11	RES, CHIP	10	5%	1/16W
R5149	1-216-797-11	RES, CHIP	10	5%	1/16W
R5150	1-216-797-11	RES, CHIP	10	5%	1/16W
R5151	1-216-797-11	RES, CHIP	10	5%	1/16W
R5153	1-216-809-11	RES, CHIP	100	5%	1/16W
R5154	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5157	1-216-809-11	RES, CHIP	100	5%	1/16W
R5159	1-216-864-11	SHORT	0		
R5160	1-216-829-11	RES, CHIP	4.7K	5%	1/16W
R5161	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5163	1-216-864-11	SHORT	0		
R5165	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5166	1-216-822-11	RES, CHIP	1.2K	5%	1/16W
R5167	1-216-809-11	RES, CHIP	100	5%	1/16W
R5168	1-216-825-11	RES, CHIP	2.2K	5%	1/16W
R5169	1-216-809-11	RES, CHIP	100	5%	1/16W
R5170	1-216-809-11	RES, CHIP	100	5%	1/16W
R5171	1-216-822-11	RES, CHIP	1.2K	5%	1/16W
R5172	1-216-825-11	RES, CHIP	2.2K	5%	1/16W
R5175	1-216-037-00	RES, CHIP	330	5%	1/10W
R5176	1-216-037-00	RES, CHIP	330	5%	1/10W
R5177	1-216-809-11	RES, CHIP	100	5%	1/16W
R5181	1-216-809-11	RES, CHIP	100	5%	1/16W
R5184	1-216-809-11	RES, CHIP	100	5%	1/16W
R5185	1-216-864-11	SHORT	0		
R5202	1-216-825-11	RES, CHIP	2.2K	5%	1/16W
R5203	1-216-809-11	RES, CHIP	100	5%	1/16W
R5204	1-216-789-11	RES, CHIP	2.2	5%	1/16W
R5205	1-216-864-11	SHORT	0		
R5206	1-216-825-11	RES, CHIP	2.2K	5%	1/16W
R5207	1-216-789-11	RES, CHIP	2.2	5%	1/16W
R5209	1-218-726-11	METAL CHIP	27K	0.50%	1/16W
R5210	1-216-864-11	SHORT	0		
R5211	1-216-805-11	RES, CHIP	47	5%	1/16W
R5212	1-216-805-11	RES, CHIP	47	5%	1/16W
R5213	1-216-805-11	RES, CHIP	47	5%	1/16W
R5214	1-216-805-11	RES, CHIP	47	5%	1/16W
R5215	1-216-805-11	RES, CHIP	47	5%	1/16W
R5216	1-216-805-11	RES, CHIP	47	5%	1/16W
R5217	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5218	1-216-845-11	RES, CHIP	100K	5%	1/16W
R5219	1-216-845-11	RES, CHIP	100K	5%	1/16W
R5220	1-218-726-11	METAL CHIP	27K	0.50%	1/16W
R5221	1-216-037-00	RES, CHIP	330	5%	1/10W
R5222	1-216-037-00	RES, CHIP	330	5%	1/10W
R5224	1-216-805-11	RES, CHIP	47	5%	1/16W
R5225	1-216-805-11	RES, CHIP	47	5%	1/16W
R5227	1-216-805-11	RES, CHIP	47	5%	1/16W
R5232	1-216-805-11	RES, CHIP	47	5%	1/16W
R5233	1-216-805-11	RES, CHIP	47	5%	1/16W
R5234	1-216-805-11	RES, CHIP	47	5%	1/16W
R5235	1-216-864-11	SHORT	0		
R5236	1-216-864-11	SHORT	0		
R5402	1-216-825-11	RES, CHIP	2.2K	5%	1/16W
R5403	1-216-809-11	RES, CHIP	100	5%	1/16W
R5404	1-216-789-11	RES, CHIP	2.2	5%	1/16W
R5405	1-216-864-11	SHORT	0		
R5406	1-216-825-11	RES, CHIP	2.2K	5%	1/16W
R5407	1-216-789-11	RES, CHIP	2.2	5%	1/16W
R5409	1-218-726-11	METAL CHIP	27K	0.50%	1/16W
R5410	1-216-864-11	SHORT	0		
R5411	1-216-805-11	RES, CHIP	47	5%	1/16W
R5412	1-216-805-11	RES, CHIP	47	5%	1/16W
R5413	1-216-805-11	RES, CHIP	47	5%	1/16W
R5414	1-216-805-11	RES, CHIP	47	5%	1/16W
R5415	1-216-805-11	RES, CHIP	47	5%	1/16W
R5416	1-216-805-11	RES, CHIP	47	5%	1/16W
R5417	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5418	1-216-845-11	RES, CHIP	100K	5%	1/16W
R5419	1-216-845-11	RES, CHIP	100K	5%	1/16W
R5420	1-218-726-11	METAL CHIP	27K	0.50%	1/16W
R5421	1-216-805-11	RES, CHIP	47	5%	1/16W
R5422	1-216-805-11	RES, CHIP	47	5%	1/16W
R5423	1-216-805-11	RES, CHIP	47	5%	1/16W
R5427	1-216-805-11	RES, CHIP	47	5%	1/16W
R5428	1-216-805-11	RES, CHIP	47	5%	1/16W
R5429	1-216-805-11	RES, CHIP	47	5%	1/16W
R5430	1-216-864-11	SHORT	0		
R5436	1-216-864-11	SHORT	0		
R5602	1-216-825-11	RES, CHIP	2.2K	5%	1/16W
R5603	1-216-809-11	RES, CHIP	100	5%	1/16W
R5604	1-216-789-11	RES, CHIP	2.2	5%	1/16W
R5605	1-216-864-11	SHORT	0		
R5607	1-216-825-11	RES, CHIP	2.2K	5%	1/16W
R5608	1-216-789-11	RES, CHIP	2.2	5%	1/16W
R5609	1-218-726-11	METAL CHIP	27K	0.50%	1/16W
R5610	1-216-864-11	SHORT	0		
R5611	1-216-805-11	RES, CHIP	47	5%	1/16W
R5612	1-216-805-11	RES, CHIP	47	5%	1/16W
R5613	1-216-805-11	RES, CHIP	47	5%	1/16W
R5614	1-216-805-11	RES, CHIP	47	5%	1/16W
R5615	1-216-805-11	RES, CHIP	47	5%	1/16W
R5616	1-216-805-11	RES, CHIP	47	5%	1/16W
R5617	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5618	1-216-845-11	RES, CHIP	100K	5%	1/16W
R5619	1-216-845-11	RES, CHIP	100K	5%	1/16W
R5620	1-218-726-11	METAL CHIP	27K	0.50%	1/16W
R5623	1-216-805-11	RES, CHIP	47	5%	1/16W
R5625	1-216-805-11	RES, CHIP	47	5%	1/16W
R5628	1-216-805-11	RES, CHIP	47	5%	1/16W
R5632	1-216-805-11	RES, CHIP	47	5%	1/16W

C HA

REF.NO.	PART NO.	DESCRIPTION			REMARK
R5636	1-216-805-11	RES, CHIP	47	5%	1/16W
R5637	1-216-805-11	RES, CHIP	47	5%	1/16W
R5638	1-216-864-11	SHORT	0		
R5639	1-216-864-11	SHORT	0		
R5801	1-216-864-11	SHORT	0		
R5804	1-216-809-11	RES, CHIP	100	5%	1/16W
R5805	1-216-809-11	RES, CHIP	100	5%	1/16W
R5806	1-216-809-11	RES, CHIP	100	5%	1/16W
R5807	1-216-864-11	SHORT	0		
R5809	1-216-809-11	RES, CHIP	100	5%	1/16W
R5810	1-216-864-11	SHORT	0		
R5813	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5815	1-216-864-11	SHORT	0		
R5817	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5818	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5819	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5823	1-216-864-11	SHORT	0		
R5824	1-216-864-11	SHORT	0		
R5825	1-216-864-11	SHORT	0		
R5830	1-216-829-11	RES, CHIP	4.7K	5%	1/16W
R5831	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5832	1-216-801-11	RES, CHIP	22	5%	1/16W
R5833	1-216-801-11	RES, CHIP	22	5%	1/16W
R5834	1-216-805-11	RES, CHIP	47	5%	1/16W
R5835	1-216-805-11	RES, CHIP	47	5%	1/16W
R5836	1-216-801-11	RES, CHIP	22	5%	1/16W
R5837	1-216-864-11	SHORT	0		
R5838	1-216-864-11	SHORT	0		
R5839	1-216-864-11	SHORT	0		
R5840	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R5841	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R5842	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R5843	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R5844	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R5845	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R5846	1-216-841-11	RES, CHIP	47K	5%	1/16W
R5849	1-216-864-11	SHORT	0		
R5850	1-216-864-11	SHORT	0		
R5851	1-216-864-11	SHORT	0		
R5853	1-216-864-11	SHORT	0		
R5854	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5855	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5856	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5857	1-216-629-11	METAL CHIP	120	0.50%	1/10W
R5858	1-216-629-11	METAL CHIP	120	0.50%	1/10W
R5859	1-216-629-11	METAL CHIP	120	0.50%	1/10W
R5860	1-216-629-11	METAL CHIP	120	0.50%	1/10W
R5861	1-216-629-11	METAL CHIP	120	0.50%	1/10W
R5862	1-216-629-11	METAL CHIP	120	0.50%	1/10W
R5863	1-216-295-91	SHORT	0		
R5864	1-216-295-91	SHORT	0		
R5865	1-216-295-91	SHORT	0		
R5866	1-216-864-11	SHORT	0		
R5867	1-216-864-11	SHORT	0		
R5868	1-216-864-11	SHORT	0		
R5869	1-216-864-11	SHORT	0		
R5870	1-216-864-11	SHORT	0		
R5871	1-216-864-11	SHORT	0		
R5872	1-216-864-11	SHORT	0		
R5873	1-216-864-11	SHORT	0		
R5874	1-216-805-11	RES, CHIP	47	5%	1/16W
R5875	1-216-805-11	RES, CHIP	47	5%	1/16W
R5877	1-216-809-11	RES, CHIP	100	5%	1/16W
R5879	1-216-809-11	RES, CHIP	100	5%	1/16W
R5881	1-216-809-11	RES, CHIP	100	5%	1/16W
R5882	1-216-805-11	RES, CHIP	47	5%	1/16W
R5883	1-216-805-11	RES, CHIP	47	5%	1/16W
R5884	1-216-864-11	SHORT	0		
R5886	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5887	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5888	1-216-864-11	SHORT	0		
R5890	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5891	1-216-833-11	RES, CHIP	10K	5%	1/16W
R5892	1-216-864-11	SHORT	0		

****

* A-1372-557-A HA BOARD, COMPLETE
****

<CONNECTOR>

CN1851	*1-564-518-11	PLUG, CONNECTOR	3P
CN1852	*1-564-521-11	PLUG, CONNECTOR	6P
CN1853	*1-564-518-11	PLUG, CONNECTOR	3P
CN1854	*1-564-527-11	PLUG, CONNECTOR	12P
CN1855	*1-564-518-11	PLUG, CONNECTOR	3P

<DIODE>

D1851	8-719-067-40	DIODE STZ6.8N-T146
D1852	8-719-067-40	DIODE STZ6.8N-T146
D1853	8-719-067-40	DIODE STZ6.8N-T146
D1854	8-719-067-40	DIODE STZ6.8N-T146
D1855	8-719-067-40	DIODE STZ6.8N-T146
D1856	8-719-067-40	DIODE STZ6.8N-T146
D1857	8-719-067-40	DIODE STZ6.8N-T146
D1858	8-719-067-40	DIODE STZ6.8N-T146

<JACK>

J1851	1-568-267-21	JACK
J1852	1-774-186-11	TERMINAL BLOCK, S (LIGHT ANGLE)

<RESISTOR>

R1851	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R1852	1-216-059-00	RES, CHIP	2.7K	5%	1/10W
R1853	1-216-053-00	RES, CHIP	1.5K	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R1854	1-216-049-91	RES, CHIP	1K	5%	1/10W
R1855	1-216-047-91	RES, CHIP	820	5%	1/10W
R1856	1-216-073-00	RES, CHIP	10K	5%	1/10W
		<SWITCH>			
S1851	1-692-286-11	SWITCH, PUSH (1 KEY) (POWER)			
S1852	1-692-431-21	SWITCH, TACTILE (RESET)			
S1853	1-692-431-21	SWITCH, TACTILE (MENU)			
S1854	1-692-431-21	SWITCH, TACTILE (DOWN)			
S1855	1-692-431-21	SWITCH, TACTILE (UP)			
S1856	1-692-431-21	SWITCH, TACTILE (LEFT)			
S1857	1-692-431-21	SWITCH, TACTILE (RIGHT)			
S1858	1-692-431-21	SWITCH, TACTILE (ENTER)			

****

* A-1372-558-A HB BOARD, COMPLETE
****

4-359-103-00 HOLDER, LED (D1871, D1873, D1874)

<CAPACITOR>

C1871	1-126-157-11	ELECT	10MF	20%	16V

<CONNECTOR>

CN1871*	1-564-523-11	PLUG, CONNECTOR		8P	

<DIODE>

D1871	8-719-812-44	DIODE TLO124 (LAMP)
D1873	8-719-812-44	DIODE TLO124 (STBY)
D1874	8-719-812-43	DIODE TLG124A (POWER)

<IC>

IC1871	8-742-088-10	HYB IC SBX1780-51 (10)

<RESISTOR>

R1872	1-249-410-11	CARBON	270	5%	1/4W
R1874	1-249-410-11	CARBON	270	5%	1/4W
R1875	1-249-411-11	CARBON	330	5%	1/4W
R1876	1-249-425-11	CARBON	4.7K	5%	1/4W
R1877	1-249-421-11	CARBON	2.2K	5%	1/4W
R1878	1-249-417-11	CARBON	1K	5%	1/4W
R1879	1-249-415-11	CARBON	680	5%	1/4W

<SWITCH>

S1872	1-571-731-11	SWITCH, TACTIL (RGB)
S1873	1-571-731-11	SWITCH, TACTIL (COMP)
S1874	1-571-731-11	SWITCH, TACTIL (VIDEO)
S1875	1-571-731-11	“SWITCH, TACTIL (VOL –)
S1876	1-571-731-11	“SWITCH, TACTIL (VOL +)

****

* A-1373-712-A U BOARD, COMPLETE
****

<CAPACITOR>

C1002	1-128-551-11	ELECT	22MF	20%	25V
C1005	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1008	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1009	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1012	1-128-551-11	ELECT	22MF	20%	25V
C1013	1-128-551-11	ELECT	22MF	20%	25V
C1014	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1015	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1016	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1017	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1020	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1021	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1022	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1023	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1026	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1028	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C1029	1-126-964-11	ELECT	10MF	20%	50V
C1030	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1031	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1032	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1033	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1034	1-126-964-11	ELECT	10MF	20%	50V
C1035	1-126-964-11	ELECT	10MF	20%	50V
C1036	1-126-933-11	ELECT	100MF	20%	16V
C1037	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1056	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1101	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1102	1-126-925-11	ELECT	470MF	20%	10V
C1103	1-126-925-11	ELECT	470MF	20%	10V
C1104	1-126-964-11	ELECT	10MF	20%	50V
C1105	1-126-964-11	ELECT	10MF	20%	50V
C1106	1-126-964-11	ELECT	10MF	20%	50V
C1107	1-126-964-11	ELECT	10MF	20%	50V
C1203	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1204	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1205	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1206	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1207	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1209	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1210	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1211	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C1213	1-126-933-11	ELECT	100MF	20%	16V
C1214	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V

U

REF.NO.	PART NO.	DESCRIPTION			REMARK
C1221	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C1223	1-126-964-11	ELECT	10MF	20%	50V
C1225	1-126-933-11	ELECT	100MF	20%	16V
C1227	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C1265	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1266	1-126-933-11	ELECT	100MF	20%	16V
C1267	1-126-933-11	ELECT	100MF	20%	16V
		<CONNECTOR>			
CN1001*	1-564-518-11	PLUG, CONNECTOR	3P		
CN1002*	1-564-527-11	PLUG, CONNECTOR	12P		
CN1201	1-764-613-11	CONNECTOR, BOARD TO BOARD	20P		
CN1202	1-764-613-11	CONNECTOR, BOARD TO BOARD	20P		
		<DIODE>			
D1003	8-719-402-16	ZENER DIODE MA3100-TX			
D1004	8-719-402-16	ZENER DIODE MA3100-TX			
D1009	8-719-402-16	ZENER DIODE MA3100-TX			
D1010	8-719-402-16	ZENER DIODE MA3100-TX			
D1011	8-719-067-40	DIODE STZ6.8N-T146			
D1013	8-719-402-16	ZENER DIODE MA3100-TX			
D1018	8-719-402-16	ZENER DIODE MA3100-TX			
D1019	8-719-402-16	ZENER DIODE MA3100-TX			
D1020	8-719-402-16	ZENER DIODE MA3100-TX			
D1021	8-719-402-16	ZENER DIODE MA3100-TX			
D1022	8-719-402-16	ZENER DIODE MA3100-TX			
D1023	8-719-402-16	ZENER DIODE MA3100-TX			
D1024	8-719-402-16	ZENER DIODE MA3100-TX			
D1025	8-719-402-16	ZENER DIODE MA3100-TX			
D1026	8-719-402-16	ZENER DIODE MA3100-TX			
D1027	8-719-067-40	DIODE STZ6.8N-T146			
D1028	8-719-067-40	DIODE STZ6.8N-T146			
D1029	8-719-402-16	ZENER DIODE MA3100-TX			
D1030	8-719-067-40	DIODE STZ6.8N-T146			
D1031	8-719-402-16	ZENER DIODE MA3100-TX			
D1032	8-719-402-16	ZENER DIODE MA3100-TX			
D1101	8-719-402-16	ZENER DIODE MA3100-TX			
D1102	8-719-025-24	ZENER DIODE 02CZ3.3-TE85L			
D1103	8-719-025-24	ZENER DIODE 02CZ3.3-TE85L			
D1104	8-719-402-16	ZENER DIODE MA3100-TX			
D1105	8-719-402-16	ZENER DIODE MA3100-TX			
D1106	8-719-402-16	ZENER DIODE MA3100-TX			
D1107	8-719-402-16	ZENER DIODE MA3100-TX			
D1108	8-719-402-16	ZENER DIODE MA3100-TX			
D1109	8-719-402-16	ZENER DIODE MA3100-TX			
D1201	8-719-402-16	ZENER DIODE MA3100-TX			
		<FERRITE BEAD>			
FB1001	1-414-234-22	INDUCTOR CHIP			
FB1002	1-414-234-22	INDUCTOR CHIP			
		<IC>			
IC1005	8-759-271-86	IC TC7SH04FU			
IC1201	8-752-080-04	IC CXA2069Q			
		<JACK>			
J1001	1-774-362-11	TERMINAL BLOCK, S			
J1004	1-565-838-11	JACK BLOCK, PIN 2P			
J1005	1-695-444-11	PIN JACK BLOCK 3P			
J1006	1-565-838-11	JACK BLOCK, PIN 2P			
J1008	1-764-143-11	JACK 3P			
J1101	1-774-359-11	CONNECTOR BLOCK, S			
J1102	1-565-838-11	JACK BLOCK, PIN 2P			
J1103	1-764-143-11	JACK 3P			
		<CHIP CONDUCTOR>			
JR1501	1-216-295-91	SHORT	0		
		<COIL>			
L1002	1-410-204-31	INDUCTOR CHIP	10UH		
L1003	1-412-029-11	INDUCTOR CHIP	10UH		
L1201	1-410-204-31	INDUCTOR CHIP	10UH		
		<TRANSISTOR>			
Q1002	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1004	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1006	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1007	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1008	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1009	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1010	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1011	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1012	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1101	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1102	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1103	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1104	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1105	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1106	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1107	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1108	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1109	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1110	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1111	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1202	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1203	8-729-216-22	TRANSISTOR 2SA1162-G			
		<RESISTOR>			
R1002	1-216-022-00	RES, CHIP	75	5%	1/10W
R1005	1-216-022-00	RES, CHIP	75	5%	1/10W
R1008	1-216-009-91	RES, CHIP	22	5%	1/10W
R1011	1-216-113-00	RES, CHIP	470K	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R1012	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1013	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1014	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1015	1-216-049-91	RES, CHIP	1K	5%	1/10W
R1020	1-216-022-00	RES, CHIP	75	5%	1/10W
R1021	1-216-022-00	RES, CHIP	75	5%	1/10W
R1022	1-216-081-00	RES, CHIP	22K	5%	1/10W
R1023	1-216-081-00	RES, CHIP	22K	5%	1/10W
R1024	1-216-022-00	RES, CHIP	75	5%	1/10W
R1025	1-216-022-00	RES, CHIP	75	5%	1/10W
R1026	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1027	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1028	1-216-022-00	RES, CHIP	75	5%	1/10W
R1029	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1030	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1031	1-216-022-00	RES, CHIP	75	5%	1/10W
R1032	1-216-049-91	RES, CHIP	1K	5%	1/10W
R1035	1-216-009-91	RES, CHIP	22	5%	1/10W
R1036	1-216-009-91	RES, CHIP	22	5%	1/10W
R1037	1-216-022-00	RES, CHIP	75	5%	1/10W
R1040	1-216-081-00	RES, CHIP	22K	5%	1/10W
R1041	1-216-081-00	RES, CHIP	22K	5%	1/10W
R1042	1-216-049-91	RES, CHIP	1K	5%	1/10W
R1046	1-216-081-00	RES, CHIP	22K	5%	1/10W
R1047	1-216-081-00	RES, CHIP	22K	5%	1/10W
R1049	1-216-043-91	RES, CHIP	560	5%	1/10W
R1051	1-216-295-91	SHORT	0		
R1053	1-216-043-91	RES, CHIP	560	5%	1/10W
R1054	1-216-295-91	SHORT	0		
R1057	1-216-043-91	RES, CHIP	560	5%	1/10W
R1059	1-216-295-91	SHORT	0		
R1060	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1061	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1062	1-216-022-00	RES, CHIP	75	5%	1/10W
R1063	1-216-022-00	RES, CHIP	75	5%	1/10W
R1064	1-216-022-00	RES, CHIP	75	5%	1/10W
R1065	1-216-049-91	RES, CHIP	1K	5%	1/10W
R1066	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1067	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1068	1-216-073-00	RES, CHIP	10K	5%	1/10W
R1069	1-216-025-91	RES, CHIP	100	5%	1/10W
R1070	1-216-089-91	RES, CHIP	47K	5%	1/10W
R1071	1-216-089-91	RES, CHIP	47K	5%	1/10W
R1072	1-216-023-00	RES, CHIP	82	5%	1/10W
R1073	1-216-041-00	RES, CHIP	470	5%	1/10W
R1074	1-216-085-00	RES, CHIP	33K	5%	1/10W
R1075	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R1076	1-216-025-91	RES, CHIP	100	5%	1/10W
R1077	1-216-089-91	RES, CHIP	47K	5%	1/10W
R1078	1-216-089-91	RES, CHIP	47K	5%	1/10W
R1079	1-216-097-91	RES, CHIP	100K	5%	1/10W
R1080	1-216-097-91	RES, CHIP	100K	5%	1/10W
R1081	1-216-025-91	RES, CHIP	100	5%	1/10W
R1103	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1104	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1105	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1106	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1107	1-216-022-00	RES, CHIP	75	5%	1/10W
R1108	1-216-039-00	RES, CHIP	390	5%	1/10W
R1109	1-216-022-00	RES, CHIP	75	5%	1/10W
R1110	1-216-022-00	RES, CHIP	75	5%	1/10W
R1111	1-216-039-00	RES, CHIP	390	5%	1/10W
R1112	1-216-039-00	RES, CHIP	390	5%	1/10W
R1113	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1114	1-216-039-00	RES, CHIP	390	5%	1/10W
R1115	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1116	1-216-113-00	RES, CHIP	470K	5%	1/10W
R1117	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R1118	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R1119	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R1120	1-216-039-00	RES, CHIP	390	5%	1/10W
R1121	1-216-039-00	RES, CHIP	390	5%	1/10W
R1122	1-216-039-00	RES, CHIP	390	5%	1/10W
R1123	1-216-039-00	RES, CHIP	390	5%	1/10W
R1124	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R1125	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R1126	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R1127	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R1128	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R1129	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R1130	1-216-041-00	RES, CHIP	470	5%	1/10W
R1131	1-216-035-00	RES, CHIP	270	5%	1/10W
R1132	1-216-025-91	RES, CHIP	100	5%	1/10W
R1133	1-216-025-91	RES, CHIP	100	5%	1/10W
R1134	1-216-025-91	RES, CHIP	100	5%	1/10W
R1135	1-216-025-91	RES, CHIP	100	5%	1/10W
R1136	1-216-025-91	RES, CHIP	100	5%	1/10W
R1140	1-216-041-00	RES, CHIP	470	5%	1/10W
R1141	1-216-035-00	RES, CHIP	270	5%	1/10W
R1142	1-216-025-91	RES, CHIP	100	5%	1/10W
R1143	1-216-041-00	RES, CHIP	470	5%	1/10W
R1144	1-216-035-00	RES, CHIP	270	5%	1/10W
R1145	1-216-025-91	RES, CHIP	100	5%	1/10W
R1157	1-216-025-91	RES, CHIP	100	5%	1/10W
R1201	1-208-291-11	RES, CHIP	4.7M	5%	1/10W
R1202	1-208-291-11	RES, CHIP	4.7M	5%	1/10W
R1203	1-208-291-11	RES, CHIP	4.7M	5%	1/10W
R1204	1-208-291-11	RES, CHIP	4.7M	5%	1/10W
R1205	1-208-291-11	RES, CHIP	4.7M	5%	1/10W
R1206	1-208-291-11	RES, CHIP	4.7M	5%	1/10W
R1207	1-208-291-11	RES, CHIP	4.7M	5%	1/10W
R1208	1-208-291-11	RES, CHIP	4.7M	5%	1/10W
R1209	1-216-025-91	RES, CHIP	100	5%	1/10W
R1210	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R1211	1-216-025-91	RES, CHIP	100	5%	1/10W
R1212	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R1213	1-216-025-91	RES, CHIP	100	5%	1/10W
R1214	1-216-025-91	RES, CHIP	100	5%	1/10W
R1215	1-216-025-91	RES, CHIP	100	5%	1/10W
R1216	1-216-025-91	RES, CHIP	100	5%	1/10W
R1217	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R1218	1-216-025-91	RES, CHIP	100	5%	1/10W

U K

REF.NO.	PART NO.	DESCRIPTION			REMARK
R1219	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R1220	1-216-025-91	RES, CHIP	100	5%	1/10W
R1221	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R1222	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R1225	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R1231	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R1232	1-216-025-91	RES, CHIP	100	5%	1/10W
R1233	1-216-025-91	RES, CHIP	100	5%	1/10W
R1234	1-216-025-91	RES, CHIP	100	5%	1/10W
R1237	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R1238	1-216-025-91	RES, CHIP	100	5%	1/10W
R1241	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R1242	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R1245	1-216-025-91	RES, CHIP	100	5%	1/10W
R1247	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R1248	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R1249	1-216-025-91	RES, CHIP	100	5%	1/10W
R1252	1-216-025-91	RES, CHIP	100	5%	1/10W
R1255	1-216-025-91	RES, CHIP	100	5%	1/10W
R1258	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R1260	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R1264	1-216-295-91	SHORT	0		
R1267	1-216-025-91	RES, CHIP	100	5%	1/10W
R1268	1-216-025-91	RES, CHIP	100	5%	1/10W
R1269	1-216-025-91	RES, CHIP	100	5%	1/10W
R1271	1-216-017-91	RES, CHIP	47	5%	1/10W
R1272	1-216-017-91	RES, CHIP	47	5%	1/10W
R1273	1-216-025-91	RES, CHIP	100	5%	1/10W
R1274	1-216-295-91	SHORT	0		
R1280	1-216-295-91	SHORT	0		
R1282	1-216-295-91	SHORT	0		
R1283	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R1287	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R1293	1-216-295-91	SHORT	0		
R1294	1-216-295-91	SHORT	0		

****

* A-1380-602-A K BOARD, COMPLETE
****

7-682-948-01 SCREW +PSW 3X8 (IC804, IC805)

<CAPACITOR>

C801	1-130-489-00	FILM	0.033MF	5%	50V
C802	1-136-165-00	FILM	0.1MF	5%	50V
C803	1-130-489-00	FILM	0.033MF	5%	50V
C804	1-130-489-00	FILM	0.033MF	5%	50V
C805	1-130-471-00	FILM	0.001MF	5%	50V
C806	1-136-165-00	FILM	0.1MF	5%	50V
C807	1-126-961-11	ELECT	2.2MF	20%	50V
C808	1-126-961-11	ELECT	2.2MF	20%	50V
C809	1-126-960-11	ELECT	1MF	20%	50V
C810	1-126-960-11	ELECT	1MF	20%	50V
C811	1-126-964-11	ELECT	10MF	20%	50V
C812	1-126-964-11	ELECT	10MF	20%	50V
C813	1-126-964-11	ELECT	10MF	20%	50V
C814	1-104-664-11	ELECT	47MF	20%	16V
C815	1-126-963-11	ELECT	4.7MF	20%	50V
C816	1-126-964-11	ELECT	10MF	20%	50V
C817	1-137-368-11	FILM	0.0047MF	5%	50V
C818	1-126-964-11	ELECT	10MF	20%	50V
C819	1-136-165-00	FILM	0.1MF	5%	50V
C820	1-126-767-11	ELECT	1000MF	20%	16V
C821	1-126-935-11	ELECT	470MF	20%	16V
C822	1-137-370-11	FILM	0.01MF	5%	50V
C823	1-137-370-11	FILM	0.01MF	5%	50V
C824	1-137-371-11	FILM	0.015MF	5%	50V
C825	1-137-370-11	FILM	0.01MF	5%	50V
C826	1-137-370-11	FILM	0.01MF	5%	50V
C828	1-137-370-11	FILM	0.01MF	5%	50V
C829	1-126-963-11	ELECT	4.7MF	20%	50V
C830	1-137-370-11	FILM	0.01MF	5%	50V
C831	1-137-370-11	FILM	0.01MF	5%	50V
C832	1-104-664-11	ELECT	47MF	20%	16V
C833	1-101-002-00	CERAMIC	0.0022MF		50V
C834	1-126-964-11	ELECT	10MF	20%	50V
C835	1-126-964-11	ELECT	10MF	20%	50V
C836	1-126-964-11	ELECT	10MF	20%	50V
C837	1-126-964-11	ELECT	10MF	20%	50V
C838	1-104-664-11	ELECT	47MF	20%	16V
C839	1-126-961-11	ELECT	2.2MF	20%	50V
C840	1-104-664-11	ELECT	47MF	20%	16V
C841	1-107-909-11	ELECT	47MF	20%	16V
C842	1-126-965-11	ELECT	22MF	20%	50V
C843	1-126-965-11	ELECT	22MF	20%	50V
C844	1-104-664-11	ELECT	47MF	20%	16V
C845	1-107-909-11	ELECT	47MF	20%	16V
C846	1-104-664-11	ELECT	47MF	20%	16V
C847	1-126-961-11	ELECT	2.2MF	20%	50V
C848	1-126-960-11	ELECT	1MF	20%	50V
C849	1-126-960-11	ELECT	1MF	20%	50V
C850	1-136-165-00	FILM	0.1MF	5%	50V
C851	1-136-165-00	FILM	0.1MF	5%	50V
C852	1-126-041-11	ELECT	2200MF	20%	35V
C853	1-126-040-11	ELECT	1000MF	20%	35V
C854	1-136-165-00	FILM	0.1MF	5%	50V
C855	1-136-165-00	FILM	0.1MF	5%	50V
C856	1-126-041-11	ELECT	2200MF	20%	35V
C857	1-126-040-11	ELECT	1000MF	20%	35V
C858	1-126-041-11	ELECT	2200MF	20%	35V
C859	1-101-002-00	CERAMIC	0.0022MF		50V
C861	1-101-004-00	CERAMIC	0.01MF		50V

<CONNECTOR>

CN801*	1-564-515-11	PLUG, CONNECTOR	12P	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION			REMARK
CN802*	1-564-509-11	PLUG, CONNECTOR	6P		
CN803*	1-564-506-11	PLUG, CONNECTOR	3P		
CN804*	1-564-507-11	PLUG, CONNECTOR	4P		
		<DIODE>			
D803	8-719-911-19	DIODE 1SS119-25			
D804	8-719-911-19	DIODE 1SS119-25			
D805	8-719-911-19	DIODE 1SS119-25			
D807	8-719-911-19	DIODE 1SS119-25			
		<IC>			
IC801	8-759-172-60	IC TA8776N			
IC802	8-759-145-58	IC UPC4558C			
IC803	8-759-145-58	IC UPC4558C			
IC804	8-759-980-43	IC TDA2009A			
IC805	8-759-980-43	IC TDA2009A			
		<COIL>			
L801	1-408-607-31	INDUCTOR	22UH		
		<IC LINK>			
PS801⚠	1-532-686-91	LINK, IC	(2.7A/150V)		
PS802⚠	1-532-686-91	LINK, IC	(2.7A/150V)		
		<TRANSISTOR>			
Q801	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q802	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q803	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q804	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q805	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q806	8-729-119-76	TRANSISTOR 2SA1175-HFE			
		<RESISTOR>			
R801	1-215-433-00	METAL	3.3K	1%	1/4W
R802	1-215-433-00	METAL	3.3K	1%	1/4W
R803	1-247-893-11	CARBON	390K	5%	1/4W
R805	1-249-411-11	CARBON	330	5%	1/4W
R806	1-249-411-11	CARBON	330	5%	1/4W
R807	1-247-807-31	CARBON	100	5%	1/4W
R808	1-247-807-31	CARBON	100	5%	1/4W
R809	1-249-429-11	CARBON	10K	5%	1/4W
R810	1-247-807-31	CARBON	100	5%	1/4W
R811	1-215-471-00	METAL	120K	1%	1/4W
R812	1-215-475-00	METAL	180K	1%	1/4W
R813	1-215-475-00	METAL	180K	1%	1/4W
R814	1-215-453-00	METAL	22K	1%	1/4W
R815	1-215-471-00	METAL	120K	1%	1/4W
R816	1-215-481-00	METAL	330K	1%	1/4W
R817	1-215-465-00	METAL	68K	1%	1/4W
R818	1-249-429-11	CARBON	10K	5%	1/4W
R819	1-215-445-00	METAL	10K	1%	1/4W
R820	1-249-429-11	CARBON	10K	5%	1/4W
R821	1-215-443-00	METAL	8.2K	1%	1/4W
R822	1-249-429-11	CARBON	10K	5%	1/4W
R823	1-215-445-00	METAL	10K	1%	1/4W
R824	1-247-843-11	CARBON	3.3K	5%	1/4W
R825	1-215-447-00	METAL	12K	1%	1/4W
R828	1-215-421-00	METAL	1K	1%	1/4W
R829	1-247-843-11	CARBON	3.3K	5%	1/4W
R830	1-247-843-11	CARBON	3.3K	5%	1/4W
R831	1-247-843-11	CARBON	3.3K	5%	1/4W
R832	1-247-863-91	CARBON	22K	5%	1/4W
R833	1-215-425-00	METAL	1.5K	1%	1/4W
R834	1-215-421-00	METAL	1K	1%	1/4W
R836	1-249-417-11	CARBON	1K	5%	1/4W
R837	1-249-429-11	CARBON	10K	5%	1/4W
R838	1-249-429-11	CARBON	10K	5%	1/4W
R839	1-249-429-11	CARBON	10K	5%	1/4W
R840	1-249-429-11	CARBON	10K	5%	1/4W
R841	1-215-421-00	METAL	1K	1%	1/4W
R842	1-215-421-00	METAL	1K	1%	1/4W
R843	1-215-421-00	METAL	1K	1%	1/4W
R848	1-215-429-00	METAL	2.2K	1%	1/4W
R849	1-215-383-00	METAL	27	1%	1/4W
R850	1-215-423-00	METAL	1.2K	1%	1/4W
R851	1-215-385-00	METAL	33	1%	1/4W
R852	1-249-385-11	CARBON	2.2	5%	1/4W F
R853	1-249-389-11	CARBON	4.7	5%	1/4W F
R854	1-249-421-11	CARBON	2.2K	5%	1/4W
R855	1-249-421-11	CARBON	2.2K	5%	1/4W
R856	1-215-421-00	METAL	1K	1%	1/4W
R857	1-215-383-00	METAL	27	1%	1/4W
R858	1-215-423-00	METAL	1.2K	1%	1/4W
R859	1-215-385-00	METAL	33	1%	1/4W
R860	1-249-385-11	CARBON	2.2	5%	1/4W F
R861	1-249-389-11	CARBON	4.7	5%	1/4W F
R862	1-249-421-11	CARBON	2.2K	5%	1/4W
R863	1-249-421-11	CARBON	2.2K	5%	1/4W
R864	1-249-417-11	CARBON	1K	5%	1/4W
R865	1-215-461-00	METAL	47K	1%	1/4W
R866	1-215-461-00	METAL	47K	1%	1/4W
R867	1-249-390-11	CARBON	5.6	5%	1/4W F
R868	1-249-435-11	CARBON	33K	5%	1/4W

****

* A-1390-904-A TA BOARD, COMPLETE
****

<CONNECTOR>

CN1901*	1-564-518-11	PLUG, CONNECTOR	3P

Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION				REMARK
		<SWITCH>				
S1901	1-771-275-11	SWITCH, MICRO (LAMP COVER)				
**********						
	* A-1390-905-A	TB BOARD, COMPLETE				
		**********				
		<CONNECTOR>				
CN1951	*1-564-518-11	PLUG, CONNECTOR	3P			
		<SWITCH>				
S1951	1-771-275-11	SWITCH, MICRO (FILTER COVER)				
**********						
	* A-1501-559-A	PK BOARD, COMPLETE (Included A/BD) (US, Canadian)				
		**********				
	* A-1501-560-A	PK BOARD, COMPLETE (Included A/BD) (AEP, E)				
		**********				
		<CAPACITOR>				
C6302	1-126-395-11	ELECT CHIP	22µF	20%	16V	
C6303	1-126-395-11	ELECT CHIP	22µF	20%	16V	
C6304	1-163-239-11	CERAMIC CHIP	33pF	5%	50V	
C6305	1-163-237-11	CERAMIC CHIP	27pF	5%	50V	
C6306	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V	
C6307	1-124-779-00	ELECT CHIP	10µF	20%	16V	
C6308	1-124-779-00	ELECT CHIP	10µF	20%	16V	
C6309	1-126-204-11	ELECT CHIP	47µF	20%	16V	
C6310	1-126-193-11	ELECT CHIP	1µF	20%	50V	
C6311	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V	
C6312	1-126-204-11	ELECT CHIP	47µF	20%	16V	
C6313	1-124-779-00	ELECT CHIP	10µF	20%	16V	
		<CONNECTOR>				
CN6301	1-573-811-11	CONNECTOR, BOARD TO BOARD 12P				
CN6302	1-784-288-21	CONNECTOR, BOARD TO BOARD 6P				
		<IC>				
IC6301	8-759-062-66	IC TC7S66F				
		<COIL>				
L6302	1-412-029-11	INDUCTOR CHIP	10µH			
L6303	1-412-029-11	INDUCTOR CHIP	10µH			
		<TRANSISTOR>				
Q6301	8-729-422-27	TRANSISTOR 2SD601A-Q				
Q6302	8-729-216-22	TRANSISTOR 2SA1162-G				
Q6303	8-729-422-27	TRANSISTOR 2SD601A-Q				
Q6304	8-729-422-27	TRANSISTOR 2SD601A-Q				
Q6305	8-729-216-22	TRANSISTOR 2SA1162-G				
Q6306	8-729-216-22	TRANSISTOR 2SA1162-G				
Q6307	8-729-422-27	TRANSISTOR 2SD601A-Q				
Q6308	8-729-422-27	TRANSISTOR 2SD601A-Q				
Q6309	8-729-422-27	TRANSISTOR 2SD601A-Q				
		<RESISTOR>				
R6301	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R6302	1-216-647-11	METAL CHIP	680	0.50%	1/10W	
R6303	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R6304	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	
R6305	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6306	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W	
R6307	1-216-041-00	RES,CHIP	470	5%	1/10W	
R6310	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R6311	1-216-673-11	METAL CHIP	8.2K	0.50%	1/10W	
R6312	1-216-639-11	METAL CHIP	330	0.50%	1/10W	
R6313	1-216-641-11	METAL CHIP	390	0.50%	1/10W	
R6314	1-216-639-11	METAL CHIP	330	0.50%	1/10W	
R6315	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W	
R6316	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R6317	1-216-647-11	METAL CHIP	680	0.50%	1/10W	
R6318	1-216-295-91	SHORT	0			
R6319	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R6320	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R6321	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W	
R6322	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R6323	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6324	1-216-295-91	SHORT	0			
R6325	1-216-025-91	RES,CHIP	100	5%	1/10W	
R6326	1-216-673-11	METAL CHIP	8.2K	0.50%	1/10W	
R6327	1-216-699-91	METAL CHIP	100K	0.50%	1/10W	
R6328	1-216-045-00	RES,CHIP	680	5%	1/10W	
R6329	1-216-049-91	RES,CHIP	1K	5%	1/10W	
**********						
		MISCELLANEOUS				
		**********				
	⚠ 1-418-257-11	FAN UNIT, DC				
	⚠ 1-473-545-13	POWER BLOCK				

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK
	1-500-021-11	CLAMP, SLEEVE FERRITE	
	1-500-037-11	CORE, FERRITE (WITH CASE)	
	1-505-809-11	SPEAKER (10CM)	
	1-505-810-11	SPEAKER (12CM)	
	1-533-746-11	THERMOSTAT	
	1-543-653-11	CORE ASSY BEAD (DEVISION TYPE)	
	1-543-982-11	CORE, FERRITE	
	1-694-517-11	TERMINAL BOARD ASSY, I/O	
	1-694-518-11	TERMINAL BOARD ASSY, INPUT	
⚠	1-698-696-21	FAN, DC	
⚠	1-763-291-11	FAN, DC	
⚠	1-785-786-11	INLET, AC 3P (WITH NOISE FILTER)	
⚠	A-1501-375-A	OPTICS UNIT ASSY	
⚠	A-1501-092-A	LAMP BLOCK ASSY (AEP)	
⚠	A-1501-247-A	LAMP BLOCK ASSY (US, Canadian)	
⚠	A-1501-487-A	LAMP BLOCK ASSY (E)	

****

ACCESSORIES AND PACKING MATERIALS
****

	1-759-949-11	DISK, LCD MONITOR INFORMATION	
	1-722-021-11	DISK, UTILITY	
	1-774-648-21	ADAPTOR, CONVERSION (VGA)	
	1-777-743-11	CABLE ASSY (15P DSUBX2 CONNECTOR)	
	1-778-967-11	ADAPTOR, CONVERSION (MAC)	
⚠	1-765-718-11	CORD SET, POWER (X9200U)	
⚠	1-765-719-11	CORD SET, POWER (X9200M)	
*	3-674-673-01	STOPPER (A)	
	3-701-910-00	SCREW, SPECIAL (DIA. 3.8X20)	
	3-704-356-01	SHEET (STANDARD), PROTECTION	
	3-865-862-03	MANUAL, INSTRUCTION (JAPANESE, CHINESE)	
	3-865-862-13	MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, SPANISH, ITALIAN)	
*	4-067-237-01	CUSHION UPPER (ASSY)	
*	4-067-238-01	CUSHION LOWER (ASSY)	
*	4-067-243-01	CUSHION FRONT (ASSY)	
*	4-067-246-01	INDIVIDUAL CARTON	
*	4-067-247-01	TRAY	
*	4-067-248-01	BOARD, TOP	
*	4-067-249-01	BOARD, BOTTOM	
	4-392-004-01	CLIP	
*	4-395-902-01	BAG, PROTECTION	
	X-4033-430-1	WRENCH ASSY	

****

REMOTE COMMANDER
****

	1-418-146-11	REMOTE COMMANDER (RM-902)	
	9-939-830-01	LID, BATTERY CASE (FOR RM-902)	

SONY

SERVICE MANUAL

LM-1 CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.
KL-X9200M	RM-902	AEP	SCC-P04A-A
KL-X9200M	RM-902	E	SCC-P04A-A
KL-X9200U	RM-902	US	SCC-P03A-A
KL-X9200U	RM-902	Canadian	SCC-P03A-A

CORRECTION-1

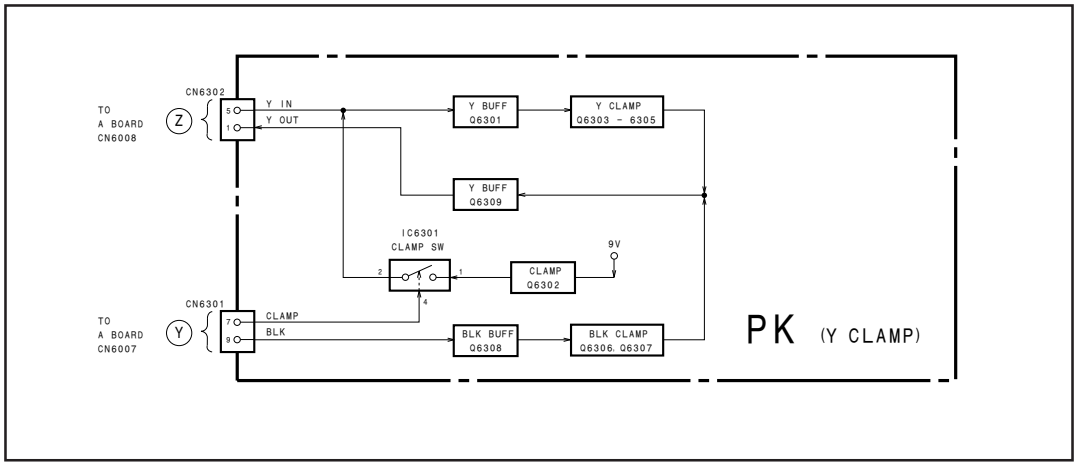
File this Correction with the Service manual.

SUBJECT : ADDITION OF PK BOARD.
PARTS CHANGE.
ACCESSORIES AND PACKING MATERIALS CHANGE.

SECTION 5. DIAGRAMS

5-1. BLOCK DIAGRAMS

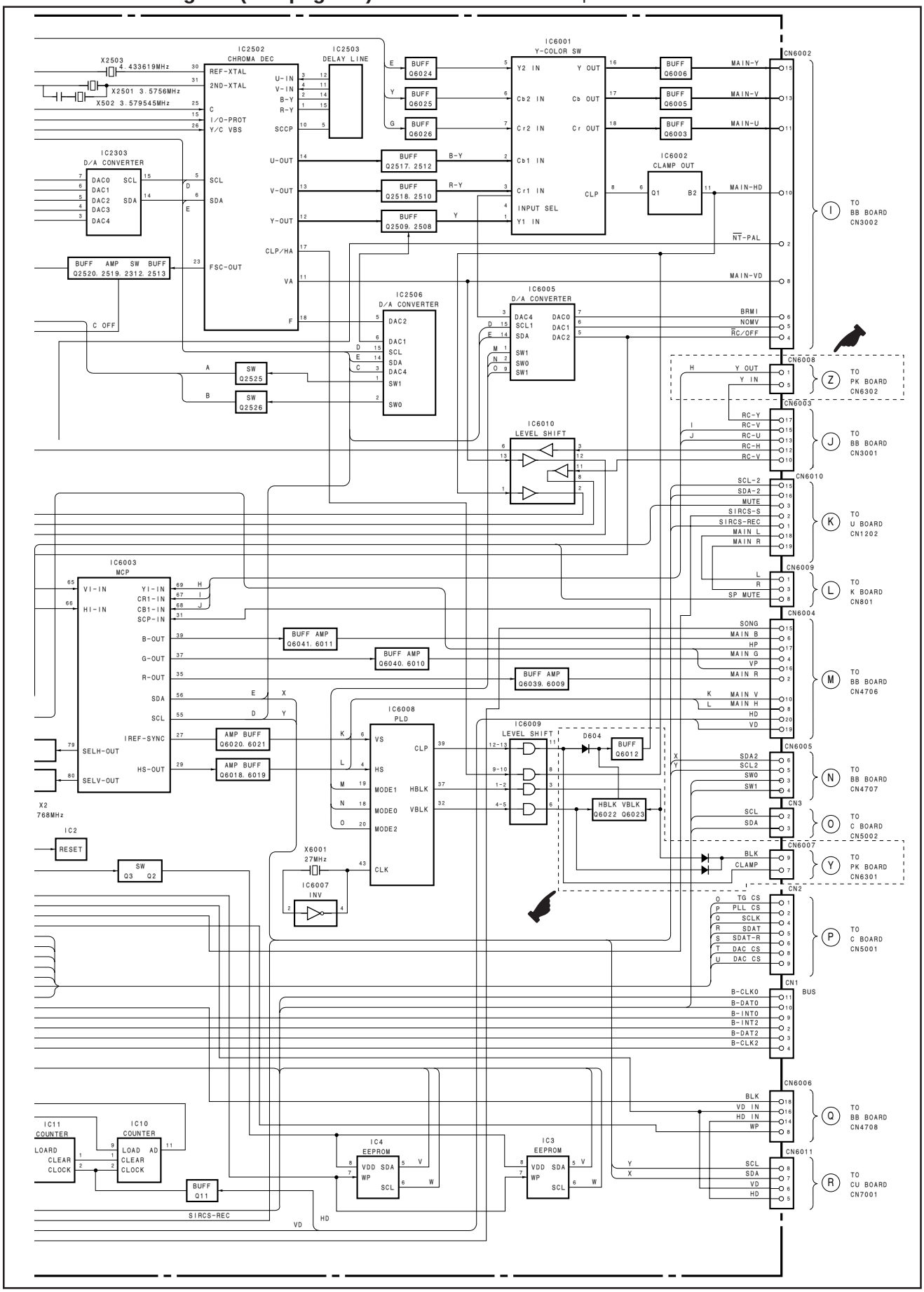
Addition of PK Board



MICROFILM

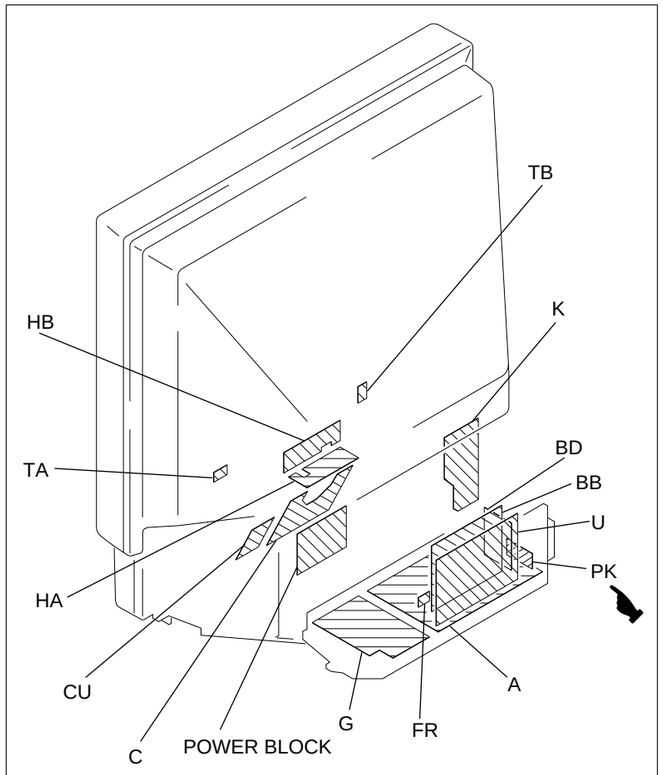
※ Please file according to model size. .....

A Board Block Diagram (See page 46) ☛ : Indicates corrected portions



5-3. CIRCUIT BOARDS LOCATION (See page 55)

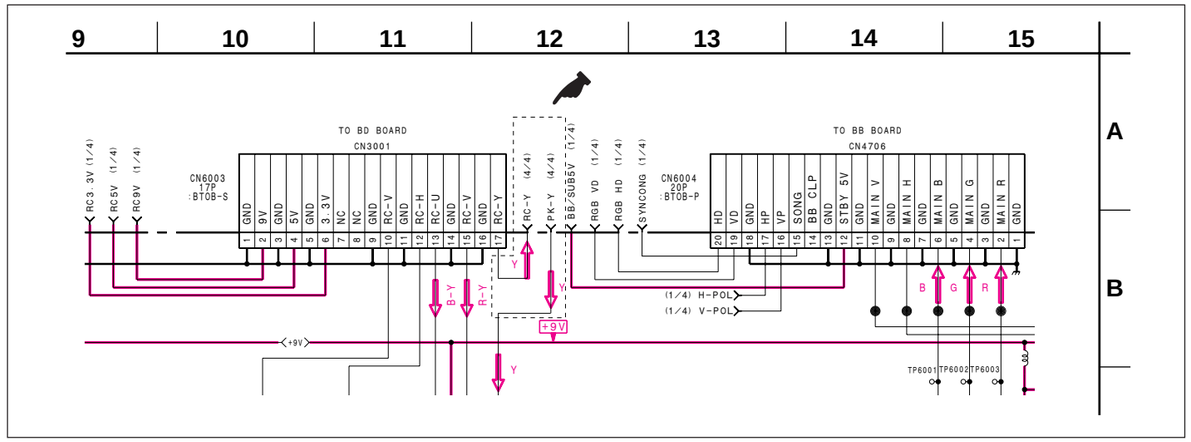
: Indicates corrected portions

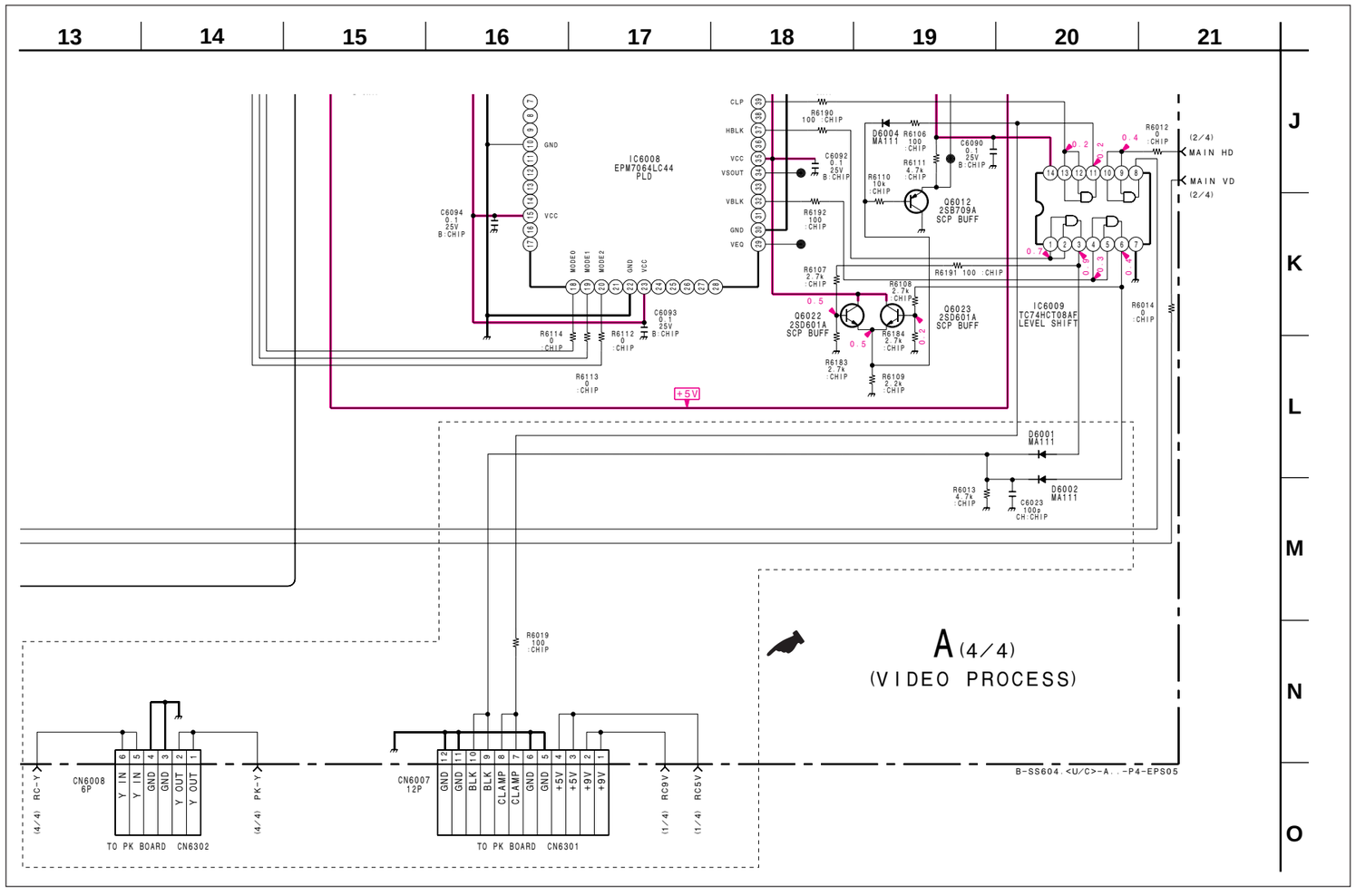


KL-X9200M/X9200U
RM-902

5-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

(4) Schematic Diagram of A Board (4/4) (See page 69,70) : Indicates corrected portions

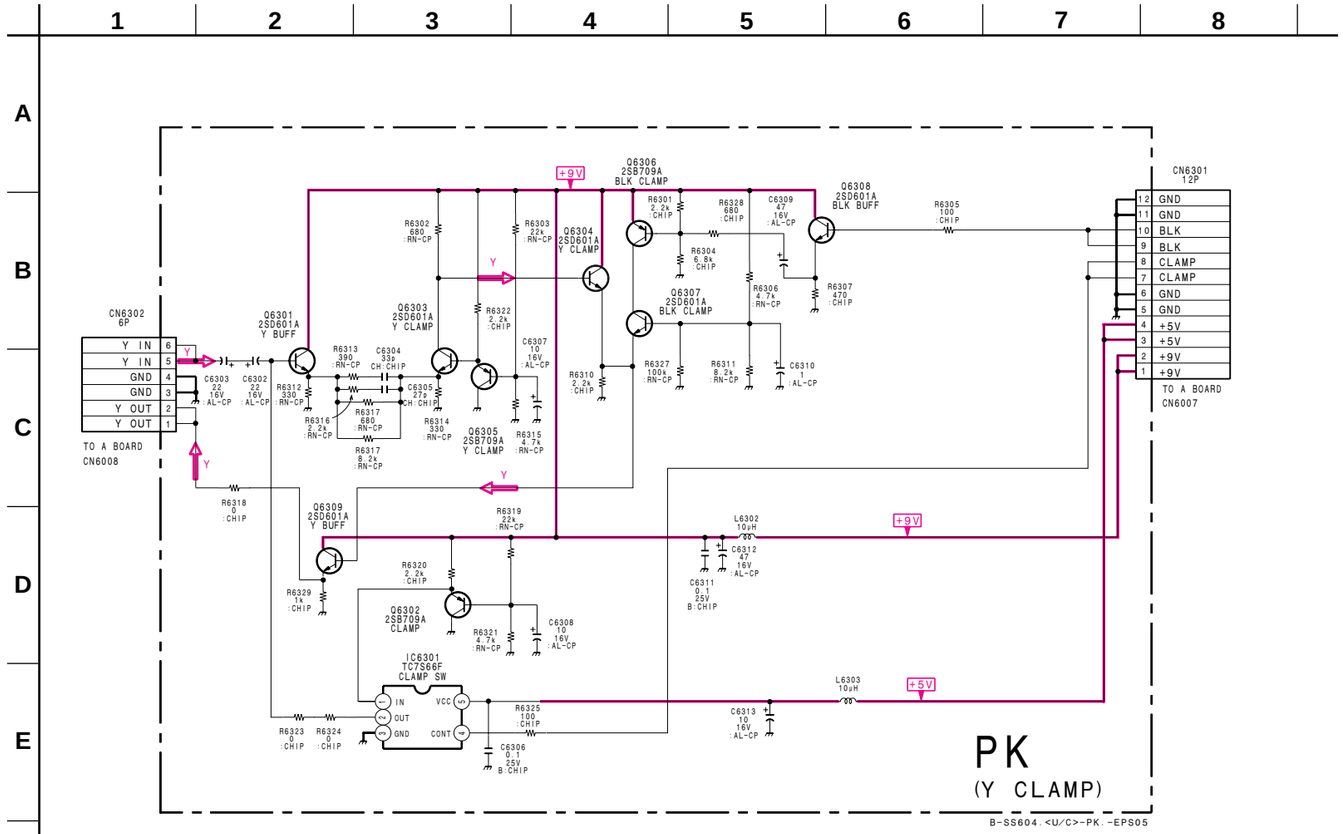




KL-X9200M/X9200U
RM-902

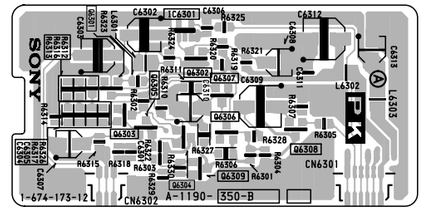
(21) Schematic Diagram of PK Board

Addition of PK Board



PK [Y CLAMP]

— PK BOARD —



PK BOARD
Terminal name of semiconductors in silk screen printed circuit (∗)

Ref.	∗
Q6301, Q6302, Q6303, Q6304, Q6305, Q6306, Q6307, Q6308, Q6309,	②

∗: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 56)

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

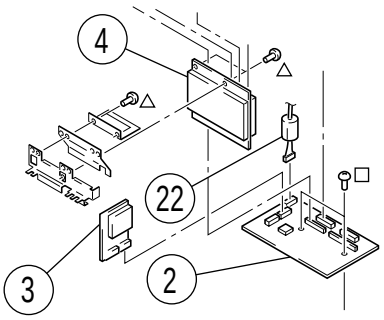
The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

SECTION 6. EXPLODED VIEWS

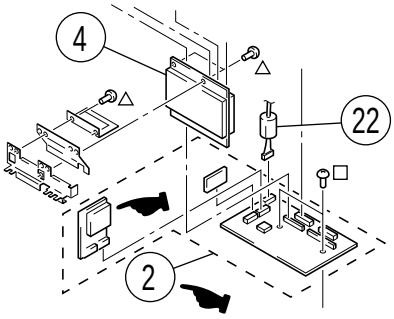
6-1. CHASSIS SECTION (See page 133)

INCORRECT



REF.NO.	PART NO.	DESCRIPTION	REMARK
2	* A-1298-716-A	A BOARD, COMPLETE	
3	* A-1135-969-A	BD BOARD COMPLETE	

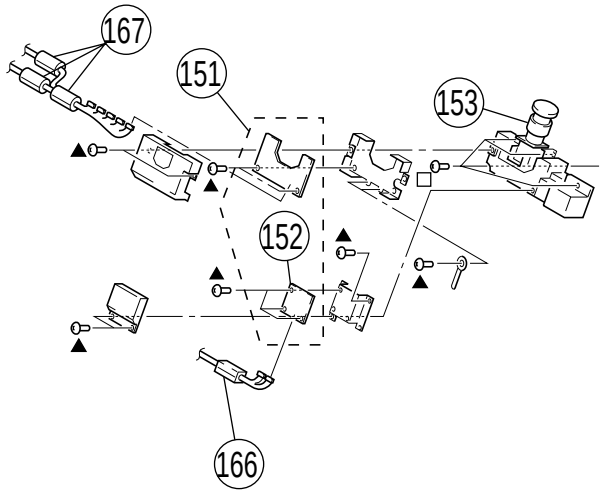
CORRECT



REF.NO.	PART NO.	DESCRIPTION	REMARK
2	* A-1501-559-A	A/PK/BD BOARD, COMPLETE	(US, Canadian)
2	* A-1501-560-A	A/PK/BD BOARD, COMPLETE (AEP, E)	

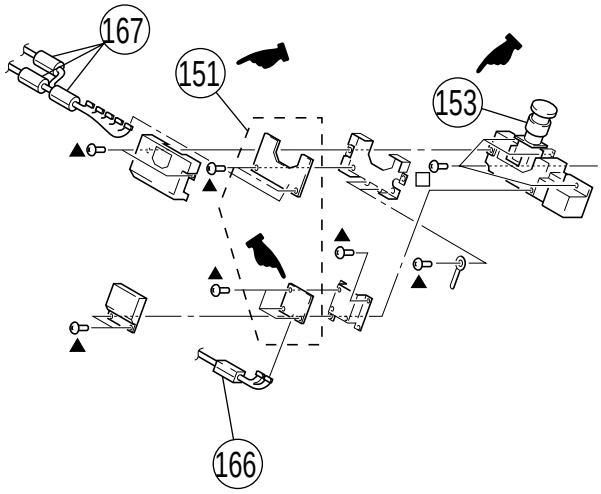
6-4. OPTICS SECTION (See page 136)

INCORRECT



REF.NO.	PART NO.	DESCRIPTION	REMARK
151	* A-1335-108-A	C BOARD, COMPLETE	152
152	* A-1331-871-A	CU BOARD COMPLETE	
153	⚠ A-0513-996-0	OPTICS UNIT ASSY	

CORRECT



REF.NO.	PART NO.	DESCRIPTION	REMARK
151	* A-1501-562-A	C/CU BOARD, COMPLETE	
153	⚠ A-1501-375-B	OPTICS UNIT ASSY	

SECTION 7. ELECTRICAL PARTS LIST

BB BOARD

PAGE	INCORRECT				CORRECT			
	REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
141	IC4300	———	———		IC4300	8-759-569-97	IC EPC1PC8-BB1	
	IC4307	8-752-849-98	IC CXP854P60Q-1		IC4307	8-752-901-84	IC CXP854P60Q-1-026	

BD BOARD

PAGE	INCORRECT				CORRECT			
	REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
146		*A-1135-969-A	BD BOARD, COMPLETE			* A-1501-559-A	BD BOARD, COMPLETE (Included A/PK) (US, Canadian)	
						* A-1501-560-A	BD BOARD, COMPLETE (Included A/PK) (AEP, E)	

A BOARD

PAGE	INCORRECT				CORRECT			
	REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
149		*A-1298-716-A	A BOARD, COMPLETE			*A-1501-559-A	A BOARD, COMPLETE (Included PK/BD) (US, Canadian)	
						*A-1501-560-A	A BOARD, COMPLETE (Included PK/BD) (AEP, E)	
152	C6023	———	———		C6023	1-163-251-11	CERAMIC CHIP 100pF 5% 50V	
	CN6007	———	———		CN6007	1-573-812-11	CONNECTOR, BOARD TO BOARD 12P	
	CN6008	———	———		CN6008	1-784-289-21	CONNECTOR, BOARD TO BOARD 6P	
153	D6001	———	———		D6001	8-719-073-11	DIODE MA111-(K8).S0	
	D6002	———	———		D6002	8-719-073-11	DIODE MA111-(K8).S0	
159	R6013	———	———		R6013	1-216-065-91	RES, CHIP 4.7K 5% 1/10W	
	R6019	———	———		R6019	1-216-025-91	RES, CHIP 100 5% 1/10W	

ACCESSORIES AND PACKING MATERIALS

PAGE	INCORRECT				CORRECT			
	REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
176			ACCESSORIES **********				ACCESSORIES AND PACKING MATERIALS **********	
		———	———			1-772-021-11	DISK, UTILITY	
		———	———			* 3-704-356-01	SHEET (STANDARD), PROTECTION	
		3-865-862-01	MANUAL, INSTRUCTION (JAPANESE, CHINESE)			3-865-862-03	MANUAL, INSTRUCTION (JAPANESE, CHINESE)	
		3-865-862-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, SPANISH, ITALIAN)			3-865-862-13	MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, SPANISH, ITALIAN)	
		———	———			* 4-067-237-01	CUSHION UPPER (ASSY)	
		———	———			* 4-067-238-01	CUSHION LOWER (ASSY)	
		———	———			* 4-067-243-01	CUSHION FRONT (ASSY)	
		———	———			* 4-067-246-01	INDIVIDUAL CARTON	
		———	———			* 4-067-247-01	TRAY	
		———	———			* 4-067-248-01	BOARD, TOP	
		———	———			* 4-067-249-01	BOARD, BOTTOM	
		———	———			* 4-395-902-01	BAG, PROTECTION	

Addition of PK Board
PK BOARD

REF.NO.	PART NO.	DESCRIPTION			REMARK
	* A-1501-559-A	PK BOARD, COMPLETE (Included A/BD) (US, Canadian)			
		**********			
	* A-1501-560-A	PK BOARD, COMPLETE (Included A/BD) (AEP, E)			
		**********			
		<CAPACITOR>			
C6302	1-126-395-11	ELECT CHIP	22µF	20% 16V	
C6303	1-126-395-11	ELECT CHIP	22µF	20% 16V	
C6304	1-163-239-11	CERAMIC CHIP	33pF	5% 50V	
C6305	1-163-237-11	CERAMIC CHIP	27pF	5% 50V	
C6306	1-164-004-11	CERAMIC CHIP	0.1µF	10% 25V	
C6307	1-124-779-00	ELECT CHIP	10µF	20% 16V	
C6308	1-124-779-00	ELECT CHIP	10µF	20% 16V	
C6309	1-126-204-11	ELECT CHIP	47µF	20% 16V	
C6310	1-126-193-11	ELECT CHIP	1µF	20% 50V	
C6311	1-164-004-11	CERAMIC CHIP	0.1µF	10% 25V	
C6312	1-126-204-11	ELECT CHIP	47µF	20% 16V	
C6313	1-124-779-00	ELECT CHIP	10µF	20% 16V	
		<CONNECTOR>			
CN6301	1-573-811-11	CONNECTOR, BOARD TO BOARD 12P			
CN6302	1-784-288-21	CONNECTOR, BOARD TO BOARD 6P			
		<IC>			
IC6301	8-759-062-66	IC TC7S66F			
		<COIL>			
L6302	1-412-029-11	INDUCTOR CHIP	10µH		
L6303	1-412-029-11	INDUCTOR CHIP	10µH		
		<TRANSISTOR>			
Q6301	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q6302	8-729-216-22	TRANSISTOR 2SA1162-G			
Q6303	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q6304	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q6305	8-729-216-22	TRANSISTOR 2SA1162-G			
Q6306	8-729-216-22	TRANSISTOR 2SA1162-G			
Q6307	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q6308	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q6309	8-729-422-27	TRANSISTOR 2SD601A-Q			
		<RESISTOR>			
R6301	1-216-057-00	RES, CHIP	2.2K	5% 1/10W	
R6302	1-216-647-11	METAL CHIP	680	0.50% 1/10W	
R6303	1-216-683-11	METAL CHIP	22K	0.50% 1/10W	
R6304	1-216-069-00	RES, CHIP	6.8K	5% 1/10W	
R6305	1-216-025-91	RES, CHIP	100	5% 1/10W	
R6306	1-216-667-11	METAL CHIP	4.7K	0.50% 1/10W	
R6307	1-216-041-00	RES, CHIP	470	5% 1/10W	
R6310	1-216-057-00	RES, CHIP	2.2K	5% 1/10W	
R6311	1-216-673-11	METAL CHIP	8.2K	0.50% 1/10W	
R6312	1-216-639-11	METAL CHIP	330	0.50% 1/10W	
R6313	1-216-641-11	METAL CHIP	390	0.50% 1/10W	
R6314	1-216-639-11	METAL CHIP	330	0.50% 1/10W	
R6315	1-216-667-11	METAL CHIP	4.7K	0.50% 1/10W	
R6316	1-216-659-11	METAL CHIP	2.2K	0.50% 1/10W	
R6317	1-216-647-11	METAL CHIP	680	0.50% 1/10W	
R6318	1-216-295-91	SHORT	0		
R6319	1-216-683-11	METAL CHIP	22K	0.50% 1/10W	
R6320	1-216-057-00	RES, CHIP	2.2K	5% 1/10W	
R6321	1-216-667-11	METAL CHIP	4.7K	0.50% 1/10W	
R6322	1-216-057-00	RES, CHIP	2.2K	5% 1/10W	
R6323	1-216-025-91	RES, CHIP	100	5% 1/10W	
R6324	1-216-295-91	SHORT	0		
R6325	1-216-025-91	RES, CHIP	100	5% 1/10W	
R6326	1-216-673-11	METAL CHIP	8.2K	0.50% 1/10W	
R6327	1-216-699-91	METAL CHIP	100K	0.50% 1/10W	
R6328	1-216-045-00	RES,CHIP	680	5% 1/10W	
R6329	1-216-049-91	RES,CHIP	1K	5% 1/10W	

9-965-248-91

Sony Ichinomiya Corporation
Quality Assurance Department

English
99GH05271-1
Printed in Japan

Self Diagnosis Supported model

SONY SERVICE MANUAL

LM-1 CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.
KL-X9200M	RM-902	AEP	SCC-P04A-A
KL-X9200M	RM-902	E	SCC-P04A-A

MODEL	COMMANDER	DEST.	CHASSIS NO.
KL-X9200U	RM-902	US	SCC-P03A-A
KL-X9200U	RM-902	Canadian	SCC-P03A-A

CORRECTION -2

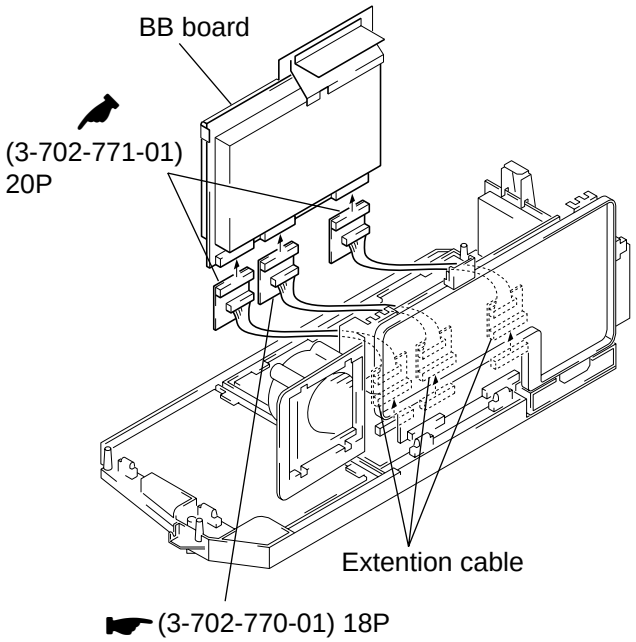
Subject : Extension cable Part No. Addition

File this correction with the service manual.

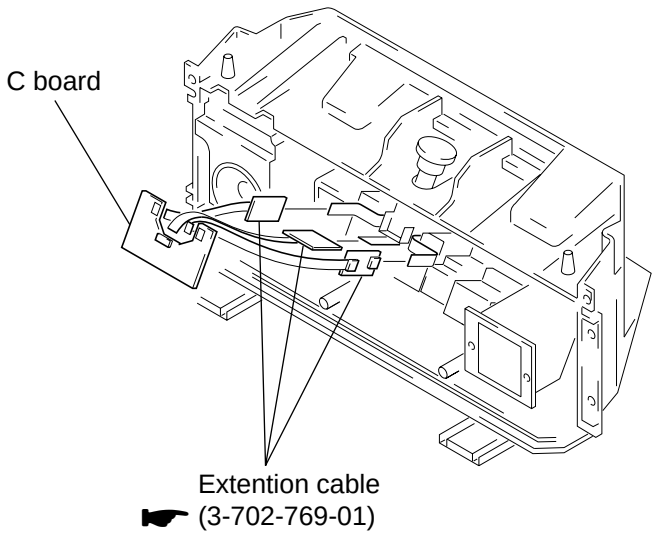
☛ : **Corrected portion**

3. DISASSEMBLY (Page 24, 28)

3-8. INSPECTION METHOD OF THE BB BOARD



3-17. INSPECTION METHOD OF THE C BOARD



※ **Please file according to model size. .....**

9-965-248-92

Sony Ichinomiya Corporation
Quality Assurance Division

English
2000CN02292-1
Printed in JAPAN